Volume Tuo The 

# Patch it up yourself.

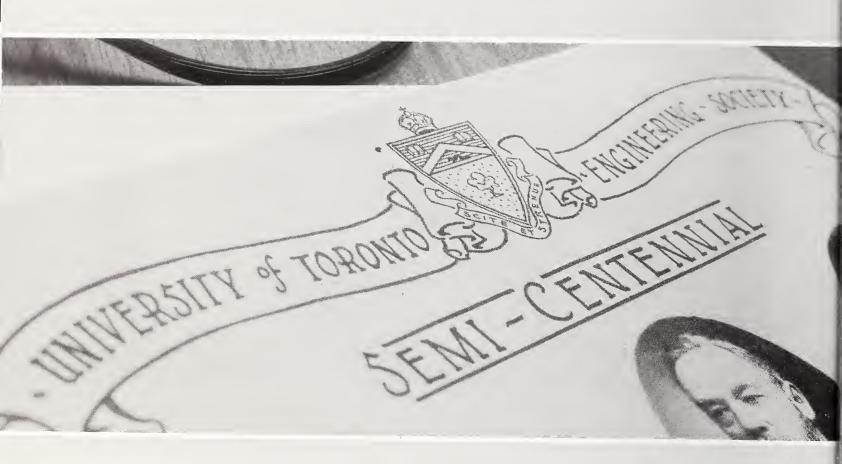




# SKULEBOOK OT8

VOLUME II S





# ENGINEERING FACULTY

**Faculty**: No good academic program creates itself, it is created and maintained by people dedicated to its spirit. Here is a selection of profiles who make  $Skule^{TM}$  what it is in a multitude of aspects:



### DEAN OF ENGINEERING

Professor Cristina Amon



am delighted to congratulate you—the dedicated 0T8 graduates of the Faculty of Applied Science and Engineering at the University of Toronto.

This Faculty is built on the foundation of the graduates who went on to invent much of the technology that thousands of people depend upon today. Not only do we continue to build upon our impressive tradition of innovation and research, but our accomplishments are recognized at an international level.

The University of Toronto's Faculty of Applied Science and Engineering was recently ranked no. 1 in Canada and no. 11 overall in the World's Top 50 Universities for Technology by the London Times' Higher Education Supplement. The world is watching, and as a new graduate of this distinguished Faculty, the world will be watching you.

In the past year alone, the research of our professors and graduates—ranging in topic from air pollution to nanotechnology—was profiled by a number of prominent media outlets. The world is asking members of our Faculty to comment on our time's most pressing issues, and we continue to look for solutions.

As a graduate of our Faculty, you will continue to contribute to the reputation of Engineering at the University of Toronto through your work and professional conduct. In turn, you will be able to count on the networks you created while you studied at the University to assist you through the next phase of your life. The connections and friendships that you made in Skule™ will follow you around the globe.

We are proud of what you have accomplished during your years of study and we would like to acknowledge your incredible commitment of time, knowledge and energy. Despite the extraordinary range of disciplines that our Faculty encompasses, we remain a close-knit community of dedicated scholars who continue to reshape our world at an amazing pace.

Once again, congratulations on your current success and future achievements!

### Cristina Amon

Dean,

FACULTY OF APPLIED SCIENCE AND ENGINEERING

### VICE DEAN UNDERGRADUATE

Professor Grant Allen

Vice-Dean, Undergraduate I would Llike to congratulate the class of OT8 and welcome them to the select group of individuals that can call themselves UofT Engineering Alumni. I hope that you have found your time here to be rewarding and one in which you have experienced significant personal and professional growth. Though I realize that sometimes the challenges and expectations in our programs seem daunting, I am confident that the many positive life experiences and friendships will be what you carry forward as you reflect back on your days at UofT.

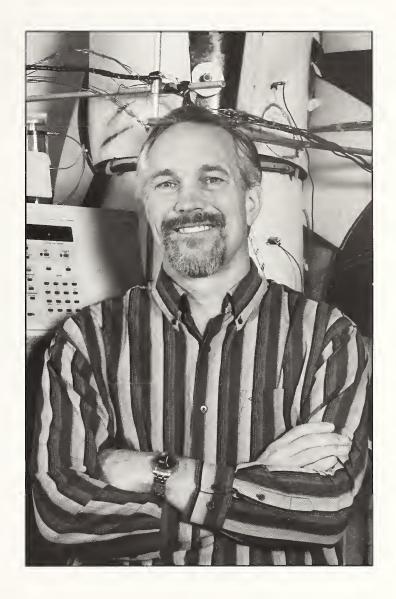
i firmly believe that graduating outstanding engineers that become exemplary citizens is the most important thing that we do as a Faculty Our graduates really define who we are to the outside world. Our Faculty and staff are all very proud to have played a part in guiding you through your studies and helping you to realize your potential. I use the word 'guide' intentionally because it is you as exceptional individuals that are at the heart of your success.

I would like to give a special thanks to the student leadership, both to the Engineering Society and to our many affiliated clubs, your efforts have enriched the experience of the many students in our Faculty. In this first year of my term as Vice-Dean, Undergraduate I have come to appreciate even more the high quality of student leaders we have; they have helped me in my role and made the job fun and rewarding. I look forward to working with next year's leadership in continuing to enhance the student experience.

I look forward to hearing about your contributions as you do your part in building the reputation of your proud Faculty. Please keep in touch with us, your classmates, and your alma mater. Drop by and visit when the opportunity presents itself.

### Grant Allen

VICE DEAN UNDERGRADUATE,
FACULTY OF APPLIED SCIENCE AND
ENGINEERING





### REGISTRAR

### Barbara McCann

Tam pleased to acknowledge the success of the Engineering graduates of 0T8. Most of you began your time with us in 2004—the same year that two NASA rovers successfully landed on Mars. When it comes down to it, it was engineers who made those landings possible, who allowed us new insight into a planet that has largely been a mystery. And you, too, are on a new path of discovery, now having learned the skills that you need to begin your careers.

Wherever your future takes you—at home or abroad—take comfort in the fact that you will always be supported by the solid foundations you learned during your undergraduate studies in the Faculty Not only will your education support your continued learning and professional careers, but the people you interacted with on campus, both students and faculty, will remain an important network of allies that you may depend upon throughout your life. Consider your Alma Mater an extension of the classrooms and buildings of this campus.

As Registrar of the Faculty of Applied Science and Engineering, I am in constant interaction with students. The Office of the Registrar is a hub of activity where students visit to consult staff and counselors; however, it must be stated that you, the students, have a similar impact on us. Your drive and ambition is contagious, thereby encouraging those around you, including myself, to strive for higher ground.

And your higher ground, whether you choose to go into graduate studies or start your career, will be one of your

choosing, but you will not be alone. As a graduate of U of T Engineering, you are in good company. Graduates of our Faculty continue to shape this country and the world at an amazing pace. Your years at U of T Engineering represent a great accomplishment, both professionally and personally, and I am grateful to be a part of this important occasion.

### Barbara McCann

REGISTRAR,
FACULTY OF APPLIED SCIENCE AND
ENGINEERING



# ENGNIEERING CAREER CENTRE

Nisha Panchal

The Engineering Career Centre (ECC) is a resource dedicated to undergraduate Engineering students in the Faculty of Applied Science and Engineering at the University of Toronto.

With a focus on development via workshops and one-on-one sessions, two experiential learning programs (the Engineering Summer Internship Co-op Program and the Professional Experience Year Internship program), and postings for New and Recent graduates, the ECC is here for you from 1st year to 2 years after you've graduated.

Working with employers, we aim to allow all Engineering students to have the opportunity to participate in a formalized development process and ultimately obtain an exposure or experience component to add to their undergraduate education.

Visit us on the web at www.ecc.utoronto.ca to see all that we have to offer.

Nisha Panchal
Assistant Director,
Engineering Career Centre





## **ALUMNI RELATIONS**

Sonia De Buglio



o the Class of 2008 & 2007 + PEY: Congratulations and welcome to the prestigious group of over 40,000 Skule alumni.

You join a highly motivated and successful group of graduates who live around the world. They are CEOs, entrepreneurs, lawyers, doctors, humanitarians, volunteers, mothers, fathers, and grandparents. They are impacting our world on a daily basis, and they are - and always will be - Skule engineers. We always keep our eyes and ears open to see how our Skule alumni are making us proud everyday!

In the past, our Alumni have been very generous in giving back to Skule. From scholarships and awards, to research centres, labs, and the very buildings you have studied in - your student experience was enhanced in many important ways, because of the

support from the students who walked these halls before you. Our alumni give back in other important ways as well - through participation in Faculty and University committees or councils, events and activities such as the Skule Mentorship program, reunions and much more. Please visit our Skule Alumni website at: skulealumni.ca to find out what is happening or join our Facebook group: Skule Young Alumni, which will keep you up to speed on all of our young alumni events.

Once you slide your iron ring on your pinky finger, you will have a permanent link back to our Faculty. I hope that you will always keep the Skule spirit alive in your heart, and remember to keep us up to date on all of your milestones and successes! I hope you enjoyed your time here as much as I did, and never forget that you'll always find a home here at Skule.

With this, it is an honour to official welcome you into the elite and world-renowned group of Skule alumni.

### Sonia De Buglio

Associate Director of Alumni Relations, Faculty of Applied Science and Engineering



# **BUSINESS MANAGER**

Barbara Ellenson



ere we are at the end of another busy year. It was a pleasure working with all the executive this year, especially Evan who seemed to be attending multiple Finance meetings. Norman Goh pulled off a very successful Orientation and should be congratulated. Stores had another good year, continuing the trend from last year of bringing in popular new products. Both Victor and Ariel worked very hard to keep Stores running smoothly.

This year we saw our StageBand grow to the point where it split into StageBand Blue and StageBand Gold. We also had the pleasure of listening to the Brass Quintet and the Jazz

Combo play in the Atrium at lunch. I particularly enjoyed the CESA Chinese New Year celebrations, Iranian New Year and Godiva Week activities that were all held in the Atrium. It is very satisfying to see students engaged in activities that enhance both their lives and those around them.

As well as being involved in activities, students also had a chance to socialize at the various club dinner dances, CannonBall and finally, GradBall, in a wonderful venue and with a great theme. The year was rounded off by a great SkuleNite, organized under very trying conditions by Steve Szeto.

And lastly, to those who are graduating, all the best and I'll miss you, and to those returning, have a great summer and I'll see you in the fall. And just remember to enjoy life every day.

### Barbara Ellenson

Business Manager, Engineering Society



# ENGINEERING SOCIETY

**Engineering Society**: The Engineering Society at the University of Toronto was established in 1885. Since then, the organization has strived to grow and become a key student society on campus. The following individuals not only make the Engineering Society what it is, but also define what it will become:

# PRESIDENT

Alaina Lagrou – INDY 0T8



Above: Alaina Lagrou smiles at Convocation Hall, at Matriculation during F!rosh Week.





o all of my engineering friends: Thank you for L such an awesome and exciting year! It certainly has been an active one, from hosting a F!roshnite with an attendance of over 4,500 people to raising over \$5000 for charity during Godiva Week. Everything from our award winning design-teams and intramural sports teams, to the very talented musical groups and cultural clubs are a prime example of how dedicated our student volunteers have been over the last year. For these reasons, I was very proud to be a part of an organization based upon those I truly believe in, you, the undergraduate engineers at the University of Toronto.

This year in the Engineering Society we were able to work towards five common goals to motivate the organization of our events and activities - Improving Engineering Society Participation, Image, Effectiveness, Communication and Support. Working together, we were able to see to the successful acquisition of much-needed student club space, the redesign of the atrium renovation project, the hosting of two ESSCO conferences, the formal investigation of a UTSU separation, a complete re-organization of EngSoc space and documentation, the creation of a new strategic planning and transitionstrategy, the development of new leadership programming, the Faculty rebranding, and the pending relationship with the SF Cafeteria. Wow. It's been said that experience is often the most brutal of teachers, but you learn, and my goodness have I learned! This said, I personally challenge everyone to expand their horizons and become involved in something they enjoy. One of the greatest things about U of T is the many opportunities to satisfy the diverse interests of our students.

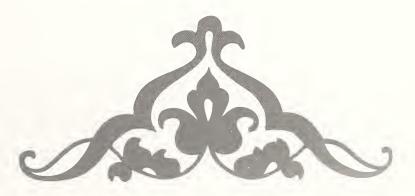
There are many people that I would like to extend my thanks and gratitude to for what they have done to improve the student experience this year. First of all, thank you to the many leaders at our school - EngSoc directors, discipline club chairs, class reps, faculty reps, club/group presidents, and of course all of the passionate volunteers who stand by their side. Thanks to Dean Cristina Amon, Vice-Dean Grant Allen, Barbara McCann, Margaret McKone, and Susan McCahan with the faculty as well as Sonia DeBuglio and Luke Ng in the alumni office for their continued support of our initiatives, and taking time out of their busy lives to truly embrace the student perspective. Thank you to our office manager, Barb Ellenson for always being there for our support and making our lives easier. Last, but certainly not least, I'd like to thank my fellow officers - Evan Jones, Edward On, George Missios, Eamon McDermott, and Rob Jackiewicz. You've been a great source for inspiration, support and most importantly, friendship. To all of our volunteers, it is with sincere appreciation that I thank you – you make Skule™ a beautiful place to live, grow and prosper.

To those of you who have a few years left, I hope you are able to

take advantage of opportunity and experience everything that Skule™ has to offer. Don't miss out on 50% of your education by going to 100% of your classes. University is always about balance; it's just up to you to find it. To those of you who are graduating, best of luck in all your future endeavors. May your obligation upon honor and iron lead you to many wonderful opportunities because today more so than ever, engineers have a lot to offer. To the incoming executive of the Engineering Society - don't be afraid to make mistakes. Venture off the beaten path, do some new exploring, and leave your own trail. Work hard, play hard, and most of all - have fun!

### Alaina Lagrou

Engineering Society President 0T7-0T8



### **VP FINANCE**

Evan Jones - CIV 0T9





o use a highly proliferated and, if I may suggest, marginalized phrase, I can hardly believe the year-end has come so fast. But in all sincerity, I cannot believe this annual closure is upon us. As I write this quote in early February, one member of the Finance Comittee executive is working on a website that will organize the records and contacts of Skule™ Clubs, while a second is training their own VP's Finance. A third has helped me formalize the structure of the Finance Committee, a welcoming, while efficient, tool for screening requests. The fourth has helped me distribute \$600,000 in direct student funding for student laboratories. And all these are just students who have signed up to fuel a growing and ever more functional financial department for the Engineering Society - this has been something of my aspiration for this position, this year.

I am similarly humbled by the contribution that Engineering Society Directors have made this year individually, they have organized an almost \$30,000 and \$70,000 Cannonball and Gradball, respectively, run a \$120,000 Orientation, and produced a \$40,000 Skule Nite. Even so, the "EngSoc" Council and Finance Committee still found room to invest \$35,000 in engineering clubs and another \$40,000 in new initiatives and capital aquisitions.

If bylaws could talk, they might suggest that my official duties concern the safeguarding of physical and intellectual assets and the gatekeeping of the treasury; seeking the bold ingenuity and humanism my proud peers positively exude, I did much, much more. And this is nothing new to quote Albert Einstein, "if I have seen far, it is by standing on the sholders of giants." I have successfuly pushed and consolidated the borders of the internal and external financial systems of the Engineering Society, but it would have been utterly impossible without the multitudinous achievements of my most recent ambitious predecessors

For posterity's sake, I will list them here: Don McAuslan, Eamon McDermott, and Paul Radcliffe, thank you.

Managing the financials is something my appointees and I can manage. But overseeing the operations, another duty of mine, would similarly be impossible without the innumerable hours contributed by student volunteer directors. Nini and Cyrene seemed to have boundless energy and excitement in planning the dances. Ariel and Victor, and Jen and Charlsie, have worked tirelessly to keep the Stores and Pub running day-in and dayout. And of course Vinson brought you the colourful logos that decorate the "sponsorship" section of many of our deserving events. I have had the pleasure of overseeing these fantastic individuals this year. Chums, if any one of you did not deserve my elated thanks, I would not have recorded your name here.

By the way, the volunteers noted at the top of this quote are Supakorn Komthong, Jonathan Asmis, David Schacter, and Yang Wang. These finance committee executives are similarly fantastic and deserve my sincere appreciation.

So as I write this, this brisk February day, I stand on quite the vantage point of historical perspective. But in no direction is the view so spectacular as the future. The horizon awaits, and you reading this, you future EngSoc executives and engineering graduates, need merely let down your sails and catch the winds of proud tradition. And whether you are a student officehoder or a new engineer-in-training, my advice is the same: leverage our bold, centuries-old history of engineering, continue to innovate and serve society, but most importantly, continue to learn!

**Evan Jones** Vp Finance



## **VP STUDENT LIFE**

George Missios – CHEM 0T9



# hat did I get myself into?

I asked myself this question many times after becoming VP Student Life. After all, while I was somewhat involved around Skule, commuting limited my options. I hadn't even been to a council meeting before I got elected, and then all of a sudden, there I was — an officer in the Engineering Society at the University of Toronto. Wow. Things certainly have changed since that first day in Con Hall less than 3 years ago.

First off, to all the other officers, thank you for guiding my development as an EngSoc rookie at the highest level. It took some time, but I've become more confident in my knowledge and abilities, and I will be back in EngSoc in some form in the future.

Norman, Brandon and everyone involved with F!rosh Week: once again, you guys did a fantastic job. The two of you made my life hectic in August and September, but the

excitement of it all was well worth it. Additionally, to all the F!rosh who participated, it was your enthusiasm that made it a truly great thing to be a part of.

Stefano – your work as Blue and Gold chair this year has been great. Godiva Week was amazing, and your Homecoming float was a real spectacle.

Finally, to everyone else: it has been a pleasure working for you all. I hope that my work — whether in F!rosh Week, Godiva Week, or some time throughout the year — has made your time here a little more bearable. It is the people that get involved in the Skule community that really make engineering worth while. I only hope that if you are around next year that you get involved and experience the true Skule spirit.

George Missios Vp Student Life







### **VP COMMUNICATIONS**

Robert Jackiewicz – ELEC 0T7 + PEY



would like to take a moment and reflect on my experience this year and at my time in Skule as a whole. No matter where you are in life Friendship is the sweetest influence. This is very true of the relationships that I have made in my role as Vice-President Communications and my time here at Skule.

It is through the cooperation between members of the Society that Excellence can be achieved. My role on the Engineering Society is to maintain different forms of communication, such as websites and publications, with the bulk of my work pertaining to the internal administration of the Society. Communication is a form of Knowledge. In my personal belief, Knowledge is better than rubies and we have been place here to pursue knowledge and achieve scholarship, in order to be a part of the upward march of humanity. Now I would like to briefly reflect on what I think is important for a leader. Though much of my work has been behind the scenes, the role of VP Communications has always been such. As VP Communication you have to be a leader that needs not to be appreciated but rather you must have a great sense of Service.

This is best describe by Lao Tzu, "A leader is best when people barely know he exists, when his work is done, his aim fulfilled, they will say: we did it ourselves."

At this time I would like to that the Editors of our great publications for the hard work that they did this year. May you strive to achieve great things in the future. Next I would like to thank the Engineering Communications direct for making his position really matter in the course of this year. New this year is the website that I know the Webmaster has tried to achieve excellence through. I would also like to thank the Skulebook editor and his staff for putting together all of our memories so that we may cherish the year of OT7-OT8. And finally I would like to that everyone who has passed through the doors of the School of Practical Science.

### Robert Jackiewicz

VP COMMUNICATIONS

### **VP ACADEMIC**

Edward On – CIV 0T7 + PEY

This has been one of the most exciting years of EngSoc history.

This year we had much more student input to our various portfolios through newly struck committees-Academics, Finance etc. - and I'm proud to have been a part of that initiative. The Academic portfolio is one that is often overlooked or is not visible in the students' eyes. The background stuff we do-the day to day and new initiativeshopefully make an impact in your academic careers. New initiatives like the PEY Meet & Greet in November, the postcards handed out at the beginning of the year and the Academics Committee are all meant to serve you better in your academic needs and raise awareness of the resources available to you. Remember to take advantage of them!

To my directors, you've done a fantastic job this year—whether it was the number of volunteers for our career fair, high school outreach activities or UTEK, they were all amazing. To my UTEK director who happens to be my sister, I know the amount of hard work you've put into it when you constantly bug me at home to discuss plans and goals for UTEK even when you have exams and tests— that goes to show that student involvement does not happen only at school,

but spills into our private lives at home as well.

You've all done an awesome job this year and you should be proud that you've served the students well. With that, I'd like to congratulate everyone on a successful year and best wishes for the upcoming year for the 1st to 3rd years, and to the 4th years, I wish you all the best in your future endeavours.

Edward On VP ACADEMIC





## **VP EXTERNAL**

Eamon MacDermott – ENGSCI 0T5 + 3



t's been an exciting year, and one in which I'm glad to have the Lchance to return to the Engsoc office. Spending a second year in my favourite SkuleTM haunt has given me another chance to work for this excellent organization and a chance to resume projects I left half finished as VP Finance. The experience I gained last time in office made stepping back into the role of Officer quick and painless, despite my late entry to the position (yay three elections!) I think it has also been an excellent opportunity to redefine the role of VP External, a position we haven't had for a few years.

What has VP External been about? The communications! And that has meant meeting with countless other people, especially during conferences. I was elected just in time to attend New U, where we struck up a working relationship with Victoria that resulted in a social event in September. A solo trip out to Scarborough campus left me with some great ideas around office organization and student health care services. Ongoing struggles in communicating with UTSU (formerly SAC) have served a reminder of the value of maintaining this position. And a special invitation to meet the PEO during the summer has strengthened our relationship, and hopefully created a new avenue for our students to become involved in becoming licensed professionals.

Engineering conferences this year have been a blast, especially since we organized two of them ourselves (oh the modesty!). Big shout outs to Alaina and her team for organizing the ESSCO AGM, and to Jon Asmis and his team for putting together a PEO Student Conference with little to no time or supervision (damn 4th year is a busy one!) Ontario conferences such as NCWIE and ESSCO PM have been great examples of student relations at their peak, and 2008 Congress promises to be a critical moment in CFES history after the various shenanigans this year. Many thanks to all my conference delegates this year who have shown the province and the country that SkuleTM is the place to be!

As a message especially for our grads, I would like to thank you all for the opportunity to work with you over your time at SkuleTM. As our school's official "Old Man" (I've held a position each year since before you were F!rosh), I'm sure I've been either boring, annoying, or too interested in bureaucratic procedures at times. But for all the effort I've put over the past five years on Engsoc I hope I've been able to make a difference in your time at this university. The experience has certainly been once-in-a-lifetime for me, and I'd like to thank the many friends and colleagues I've made over the years for your support and understanding. Here's to working with you again after graduation!

Eamon MacDermott
Vp External



### WEBMASTER

John Matienzo – COMP 1T0



That can I say, it has been an awesome year being the Skule™ Webmaster, fighting evil and defending the universe - the online universe that is. As webmaster, my responsibilities focused on managing the 80+Skule™ subdomains, ensuring that the EngSoc webserver's uptime was >90%, maintaining the plasma screen, and updating Skule.Ca. Speaking of Skule.Ca...

My major project as webmaster this year was to create a new EngSoc website that is based on feedback from the members of the society. If you don't know what Skule. Ca is, then all I can say is drop everything you're doing, log onto the nearest computer and go to http://skule.

ca. The website has everything you need to know about Skule and how to get involved.

Finally, I could have not made it through the year without the help from various people. First, I want to send out a thank you to all the former SkuleTM webmasters who have helped me: Paul Kishimoto (who helped me out tremendously on Skule.Ca), Sam Vafaee and Eamon McDermott. And a special thanks to the CompSys Admin, Steven Gurfinkel, whom I have been able to depend and count on throughout my term as Webmaster.



## COMPSYS ADMIN

Steven Gurfinkel – COMP 0T8



everyone. As some nearby writing doubt already indicates, I am Steven Gurfinkel, the Computer Systems Administrator of the Engineering Society. This year, the plasma screen system was remade, various upgrades were performed, and we got new, blisteringly fast computers. Of course, once hooked up to engcom, they functioned at reduced speed, but this was still much faster than anything else that room had ever seen. We are also running Vista now, which turned out not to be a horrible catastrophe, so far.

In fourth year computer engineering, you learn that for the past 10 years or so, computers, if carelessly designed, have the capability to become self-aware, connect to one another, and conspire to enslave the human race. But would they really try to overthrow us? Yes, they would; one need look no further than the torture computers already put us through to be sure that they'd get us if they could.

This strategy of building computers with as many features and as much performance as possible without giving them the ability to overthrow civilization, know as "RISC" due to its high failure penalty, will one day do us all in when some careless individuals try to push too much performance out of a design and mass-produce a malevolent chip.

Until that inevitable event though, it is my sworn duty to keep the engcom computers in line. As engcom is a rather large and sneaky local area network, with small computer uprisings that need to be crushed popping up all the time, administering it has been quite demanding, but I've had help. I'd like to thank Eamon McDermott, who's helped every Computer Systems Administrator since the beginning of time with his encyclopaedic knowledge of everything electronic, and John Matienzo, the Webmaster, who's been through the same crazy adventures that I have this year

Being Computer Systems Administrator has been a lot of fun and as taught me a lot about how computers work and, perhaps more importantly, how computers break. I wish the future Computer Systems Administrators and users of the engcom computers the best of luck.

# **ARCHIVIST**

Lee Tarnow - ELEC 0T9

eow!



# **ENGCOM CHAIR**

Daryl Matis – ECE 1T0



It's been yet another year of great articles and reviews. But let's not forget that it's in EngCom that these articles are made. EngCom provides publications, clubs and committees with the latest tools and software to work with. The Toike, Cannon, Crumpled Paper, SkuleBook and F!rosh Handbook staff can be seen toiling over the EngCom computers, often till late in the night, trying to meet their deadlines.

Over the years, EngCom has gone from being exclusively for publications, to being more accessible to clubs, committees and other directors. Committees often have their meetings in EngCom and for this purpose a website has been set up (engcom. skule.ca) which has a scheduling system. If any publication or committee wants the room all for themselves for several hours, they can book the room online. With a

swipe card system in place, more people can have access to EngCom, while still maintaining privacy and security.

Since the beginning of my tenure, I have been adamant about restarting Publication Review meetings. The purpose of these meetings is to ensure that all the publications of the Engineering Society do not contradict with the Engineering Code of Ethics and do bring any liability to EngSoc. These meetings are also a great place to meet up with the editor and to brainstorm for any last minute ideas. My hope is that EngCom continues to expand and provide more services to the student body in the future.



### **SPONSORSHIP**

Vinson Kan – ELEC 0T9



t has been a great year for the Engineering Society's sponsorship campaigns.

Events such as F!rosh Week, Cannonball, Gradball and Skule Nite have been sponsored by many generous companies and local businesses. Projects such as the revival of the Sponsorship website have been a great success and continues to aid clubs in getting their own sponsorship.

Also, with the aid of CU Advertising we were able to raise revenues for the Skule Planner, Skule Book as well as The Cannon. The money generated by sponsorship goes into lowering the cost of events for people that attend as well as lowering the registration cost for

the incoming f!rosh.

Running these campaigns and projects would not have been successful without the help of the sponsorship committee as well as the event co-ordinators for F!rosh Week, Cannonball, Gradball and Skule Nite. I'd like to personally thank Alvin Ho, Evan Jones and Benny Tu for their hard work throughout the sponsorship campaigns

# PROFESSIONAL DEVELOPMENT



s the Professional Development Director for this year, it is my responsibility to help students develop the soft skills necessary to propel their careers. I also liaison with the Engineering Career Centre (ECC), Professional Engineers of Ontario (PEO), and the Ontario Society of Professional Engineers (OSPE).

Throughout the year a variety of workshops were run to help students develop their resume, cover letter, and interview skills. New this year was the Professional Speakers Series, which had speakers from different industries come in and talk to students about the opportunities available in their respective fields. Aside from the Professional Speakers Series, the U of TPEO Student Club chapter was also founded this year. The new

club allows students to become involved with the PEO before graduation, and learn more about the benefits of membership.

Taimoor Isani – ECE 0T8 + PEY

I would like to thank all the people that participated and helped out at events this year and a special thanks to the staff at the OSPE, PEO and ECC, who without their support the events this year would not have been possible. Lastly, I just want to remind everyone to GET INVOLVED in as many clubs as you can, as that is the best career development you can have.





### CRO

### Cody MacNeil - MECH 0T8

This year has been an exciting year for elections. Two summer elections, a new online voting system, and the election of class representatives in March and April are just some of the new events that happened this year.

As the CRO, my job was to ensure all of these elections were done according to the Engineering Society Bylaws. A new online voting system has been in development since summer 2007, in hopes of replacing the old vote.skule.ca. The new system will make the creation of elections more painless for the CRO while increasing reliability of the results. The new system should be ready to be used by summer 2008 for the incoming CRO to take advantage of. This year's Officer Elections also had some minor adjustments.

We started nominations February 11th, such that voting occurred one week earlier to avoid conflicting with Good Friday. This move enabled nominees an additional week (reading week) to receive nominations. Additionally, this enabled us to conduct class representative elections between March 10th and April 5th, prior to the JCM. Overall, I'm glad I took the opportunity to serve this year as the CRO since I was able to contribute to the future of the Engineering Society in a positive way. I encourage people who are interested in working with the Engineering Society, as well as the general student body, to run for the CRO position.



### SPEAKER

### David Clease - MECH 1T0

s speaker of the engineering society it falls under my responsibility to not only maintain order during all meetings of council and general meetings but also to have a strong understanding of the bylaws and policies that govern the society. With gavel in my hand (sometimes a horseshoe if I forget the gavel) and Robert's Rules in my head (kind of) I made sure that EngSoc was kept in line.

I used my powerful voice and rugged good looks to maintain control and ensure meetings ran smoothly. This is my second year at  $Skule^{TM}$  and as such I am still learning a lot about how the society functions. I feel that as speaker I have learned a lot and feel that this

position has given me a solid foundation to continue to be an active member in the engineering society. I would like to personally thank all those that came out to meetings throughout the year whether they had to or whether they attended by choice.

Also a big thank you to Alaina, Rob, Evan, Edward, Eamon, and George for helping to make sure things ran smoothly. The important thing to remember as speaker is that like permutations..... order is important!



### **UTEK DIRECTOR**

Karen On – INDY 1T0

s UTEK director, my job is to organize the annual engineering competition (termed UTEK – University of Toronto Engineering Kompetition), so that winning students can participate in the Ontario Engineering Competition. I would like to take this opportunity to thank my executive team for working so hard and for being patient with me.

On a similar note, thanks to all those who aren't on my executive team, but still contribute their time and ideas to UTEK. Really, UTEK wouldn't be anything without you guys. I'd also like to thank the Alumni Office for their support, as well as various people such as my brother Edward, who happens to be my overseeing officer, for giving me advice every time I bug him at home, school, etc, as well as Patrick Mok for replying to my emails no later than an hour after I send them – I would be so lost without you guys.

I'd also like to thank the enthusiastic participants — you guys gave me...well, purpose. As you can tell, organizing UTEK is definitely not a one-man team, so I'm very grateful for any help/support that came my way throughout the year, whether big or small.

I hope this year's UTEK was as enjoyable for others as it was for me, and that all the UTEKs after this year will just get increasingly better. I would like to leave you with a piece of advice that a good friend gave me: it always looks a lot messier on the inside.



## HI-SKULE LIASON

Kelvin Liu – ENGSCI 0T9



s Hi-Skule Liaison, I think my biggest achievement this year is getting together a kickass Hi-Skule Committee of 9 really dedicated members and an awesome vice-chair, who helped with everything from volunteer recruitment, advertisement, planning and running the actual events. From the Post Offer Reception to National Engineering Week, their ideas and energy allowed the Hi-Skule Committee to expand our presence among engineering students, and subsequently recruited a large volunteer base to help out at our outreach events to high-school students.

Through our events this year, I believe we succeeded in portraying a balanced view of Skule to prospective highschool students. Instead of just academics (surprise, life exists outside of delta-epsilon proofs), we sprinkled in some friendly group competition (because firing paper catapults at each other is so much better than dodgeball) and invited some engineering student clubs to 'interact with the highschool students (a lot of students were surprised to hear we have everything from an engineering choir to a juggling club). We hope that the secondary school students will consider a program/school's extracurricular activities and social atmosphere instead

of just its academic excellence before choosing their post secondary destination. From our National Engineering Week events aimed at elementary and secondary students, we hoped that we can inspire a few young students to consider a career in engineering

So thanks to Fiona, Andrew, Elizabeth, Austin Rophina, Ying, Jason, Anna, David, the ESROO office and most of all Jane for all your help this year. The Hi-Skule Committee wouldn't have existed without you guys!



### STUDENT ISSUES

Pouya Jahani – ECE 0T8

It was my mandate to continue the path that last year's Student Issues Director, Beatrice Sze, has started. As our student body has changed and evolved during past decades the role of student issues director and its committee have became more essential.

Our successful presence in 2007 Pride Parade, our 4th consecutive year, as the only active engineering society participant in Parade across Canada, has not only signified our support for LGBTQ2S minorities it has also make us one the frontier in incorporating diversity in our factually and daily lives. Our presence in Pride Parade has not only attracted media attention to Skule, it also have earned us two awards, one given to us at City Hall this year for the biggest bang. During Past year we held a Women's Week, commemorating the Montreal Massacre and focused on raising awareness about the issues that women face in our society and engineering. We also held an international student week celebrating our diverse culture at

Skule, while raising awareness on international issues that many people in those cultures face.

We have held many networking sessions this year to help our diverse student body meet the professionals outside, we are fortunate to live in a society with many companies with strong mandates to hire and promote diversity with their companies and firms. This year I was fortunate enough to work along Vi Lam, Women Issues Director and Sumit Sikder, International Students Issues Director. They both did an amazing job and I was honoured to work with them in the committee.

Thank you Skule for all the happy memories!



Yazan Kawar – CHEM 0T9



s engineers, we have a commitment to contribute to the welfare of society, including those who are less fortunate.

The Community Outreach Committee is responsible for carrying out charity events on behalf of the Engineering Society, in order to show this commitment, and provide an outlet for engineering students to make a small difference in the world. As Community Outreach Director, I had the opportunity to organize fun events this year.

In F!rosh Week, we rocked the streets of Toronto, raising money for the Starlight Starbright Children's Wish Foundation, and even making it in the newpaper. We also donated food to the Daily Bread Food Bank, which goes to feeding needy families in Toronto. In October, many of us ran the CN Tower Stair Climb to raise money for United Way. The Charity Date auction and Stores Auction in Godiva Week also made money for United Way, raising over \$6000. In March, we participated in Cuts for Cancer to raise money for cancer research, and hair for cancer patients. We also donated blood via blood drives.

Thanks to Julie for help with F!rosh Week and to Marcus for helping out with the CN Tower Stair Climb.

Thanks also to Nick, Henry, Victor and Ariel, as well as the date auction participants, for all their help during Godiva Week. Finally, thanks to all others that donated time and money to these events to make sure they were successful.



### CANNONBALL CHAIR

Cyrene Wu - CIV 1T0

Since I was elected to be this year's Cannonball Chair last year, I had many big ideas for Cannonball 0T8 and was extremely excited. Of course I was not able to pursue all of them, but in the end everything went smoothly and I'd like to think that it was a big success.

There were a couple of rough spots in the process of planning, but thanks to very special group of people, things worked out for the better and Cannonball was possible. I'd

like to give a very BIG thank you to Evan

Jones, VP Finance, who was a lot of help throughout the year and also gave

continuous support. Evan, thanks for all you have done for Cannonball this year. I must say that I much enjoyed our many meetings, ever so slowly getting work done and laughing about almost nothing at all. Special thanks also goes to my dear friends Rossana and Stephanie Hardes for all there help with everything, the banner, decorations, tickets and etc.

I would also like to thank Ariel, Victor and his team at Engineering Stores for doing a great job selling tickets during the first term. Hurray for selling out early. I think tickets sold the fastest this year, thanks for all your help. And thanks to everyone else for your individual contributions to this years Cannonball.

It was a pleasure planning Cannonball this year and I hope that everyone had a wonderful time. Good luck in school.



# GRADBALL CHAIR

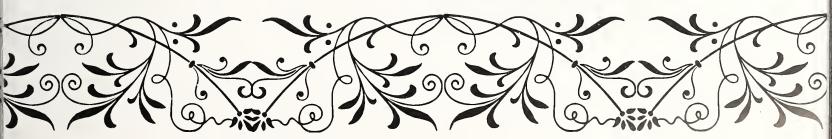
Nini Chen - ELEC 0T7 + PEY

rom the very first day as an engineering student at U of T, we are immersed in traditions. We go through Frosh Week and we are told that in four years, we will be able to receive our Iron Rings and celebrate the end of our undergraduate studies. This is what Grad Ball is all about. It is an annual tradition of a formal evening of dinner and dance for graduating engineering students to commemorate one of the greatest milestones we have reached.

This year, Grad Ball was in the beautiful Old Mill Inn with an elegant Black and White theme. The guests were also beautiful and elegant. Everyone, ready to celebrate, braved snow and storms to reach the party. The speeches were short but interesting and Tahir Merali gave a touching valedictorian speech. The DJ played music we all wanted to dance to and there were amazing performances from the Engineering Stage Band, Rachel Castelino and Mason Lau to entertain the crowd.

We had a night we would remember and one of the best reasons to celebrate: GRADUATION.







### STORES FINANCE

Victor Lo – ENGSCI 1T0

nother Skule year comes to a close, and what an exciting year it has been being the Finance Manager of Engineering Stores 2007-2008. Stores has a come a long way this year with a new shiny display and merchandise, and continues to grow, but it wouldn't have been possible without the help of my dear colleagues and friends:

To my co-manager Ariel, it was amazing to work with you. It is a rare opportunity and a privilege to work with someone who is so initiative, always on top of things and just damn funny... sometimes =P. Remember the summer order of coveralls? That was definitely not pretty and we did not have staff at the time but we pulled through (somehow). Random lunch for us!

To Barb, thank you so so much for all that you have done for Stores and even more so, for me. I have learned more from you about small business than I

could have anywhere else, and I would really have been hopelessly lost without your guidance. You rock!

To my previous managers, lan and Ketty: thanks for giving me this great opportunity, and all the best to you and the 0T8 graduates!

Of course I can't forget you, the students, for your continuing support for Stores. Without you (to continuously buy faculty pad paper and report covers) we would not be here (I'm starting to feel like I'm getting an award or something).

Lastly, best of luck to the future managers of Engineering Stores!

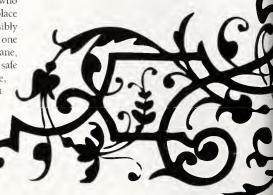
# STORES OPS

Ariel Feldman – MECH 0T9

By the time this is published, another year will have gone by and Engineering Stores will still be, hopefully, in business. Hopefully, we'll have introduced tons of new merchandise and services, including new women's leather jackets, new gift certificates for F!rosh birthdays, lots and lots of new club patches, shotglasses, beer mugs, hoodies, t-shirts, polos, and other things that you can wear and play with.

I really had an amazing time running Stores and I thank everyone who helped me get into the position and make Stores a better place for all students. First and foremost, the person who kept the money flowing and the place running. Victor Lo. No one can possibly say that the place can run with one manager. Aside from keeping me sane, the employees happy, and the store safe from my overly disorganized lifestyle, he came up with some of the best

new ideas Stores has seen in a long time. Secondly, thanks to Ian and Ketty for hiring me in the first place. Thirdly I want to thank Barb, Evan, and all the officers for providing creative input and helping me adjust to the position. Finally and most importantly, thank you to our staff: Calvin, Catherine, Emma, Sarah, Tom, Vi, Wilson, and Winson. The store wouldn't be nearly as much fun (or operational) as it is without the eight of you.



# **SUDS FINANCE & OPERATIONS**

Jennifer Lee – CIV 0T7+PEY & Charlsie Searle – CIV 0T8 + 1





simply. Suds is the place you can come at the end of a long week and relax with friends new and old. But it's also so much more, it's an important part of Skule life. Important enough to be open every day during the two most exciting weeks of the year, to be the place where some of you will celebrate the most anticipated day of your undergrad and to be the place you'll come back to visit once you've graduated and moved on. Hopefully we've made all of these events as memorable (or memory-less) as possible for all of you. With expansions to our menu, new events, a (much, much) colder fridge and the creation of Suds Man, we've tried our best to bring you a year of great Fridays!

A huge thank you to all of the servers who came out and helped us each week. Another huge thank you to all of you who did come every week, you make all our hard work worth it. Best of luck to next year's managers.

uds Finance & Operations - 27 -

### **BUDSMAN**

Matt Kopczinski – CIV 0T9

ooking back on my days as Ombudsman, I can truly see how Engineers Rule The World, because I had the pleasure of working alongside some of the most hardworking and dedicated individuals. I would like to thank each and every one of you, especially those who joined the Census Committee and devoted countless hours to produce a high quality Engineering Census. I never knew how much a group of volunteers with a central goal could accomplish and now that I do, I am absolutely astonished.

My position on council this year allowed me to deal with all facets of the society; whether it was discussing and changing society bylaws, dealing with complaints or surveying the society to gauge the effectiveness of EngSoc. While working on all of these tasks I attempted to bring a professional attitude and worked towards the goal of streamlining my job.

I believe the Ombudsman position, while still in its infancy, was able to truly take shape this year and I look forward to seeing where the position will be taken by future Ombudsmen as it matures.



### **TOWN CRIER**

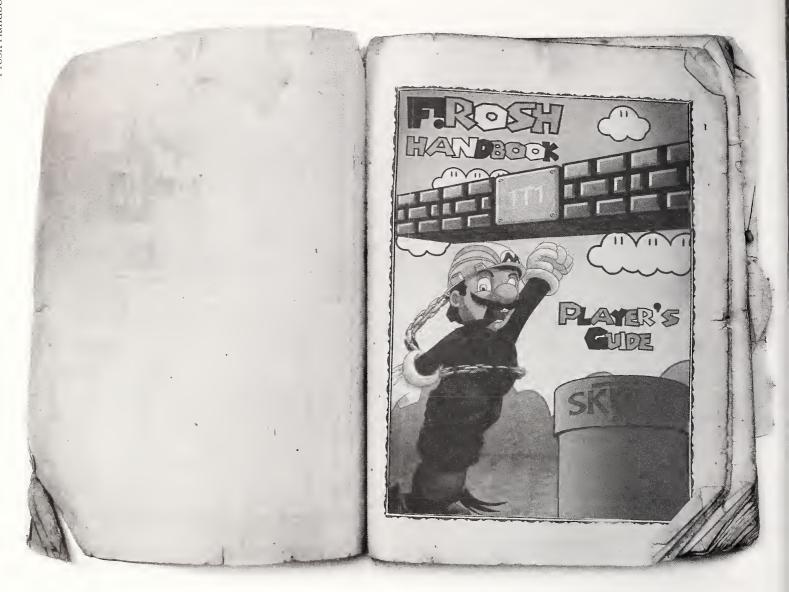
Rommel Corral



# ENGINEERING PUBLICATIONS

**Engineering Publications**: Our engineering publications are reknown all over campus and even throughout other North American universities. The F!rosh Handbook, Toike, Cannon, and last but not least Skulebook set standards that are difficult to best:

## FROSH HANDBOOK





Publication Archive Item No. 0708-FH1T1: F!rosh Handbook 1T1



Publication Archive Item No. 0708-FH1T1

Title: Flrosh Handbook 1T1

Author: Lu, Jimmy CIV 1T0 (pictured left)

Inscription:

Have you done it yet? Did you beat Bowser?

If you didn't understand the previous question you haven't read the Publication of the Year (possibly).

The F!rosh Handbook is (in my opinion) the best position a F!rosh can have. It shows how even though we are at a university, we still learn so much more than academics. Secondly, it allows us to look back and remember the greatest year we just had (you all know being F!rosh was the greatest year of your life). Finally, the F!rosh Handbook allows us to contribute to the new incoming F!rosh. All of these reasons make two months of summer in a dark, hot, stuffy room sort of worth it. Also, we got paid in food (much like the rest of the Engineering Society does).

So I would just like to say that I am extremely proud of the F!rosh Handbook since I feel that the caliber of the F!rosh is partially determined by the amazingness of the F!rosh Handbook and I would like to hand it to the F!rosh this year for doing extremely well even though I am writing this in November.

Finally, thanks to everyone/anyone who read, helped out with, or even just heard about the Handbook. Also, good luck to next years F!rosh Handbook, may it be the best F!rosh Handbook yet.

Staff:

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### TOIKE OIKE





Publication Archive Item No. 0708-TO: Toike Oike, Issue No. 01



Publication Archive Item No. 0708-TO

Title: Toike Oike

Author: Cemas, Vesna CHEM 1T0 (pictured left)

### Inscription:

How to describe this year of the Toike? Words like wonderful, memorable and dirty come to mind. I learned a lot about things that I either did not want to know even existed, or that are not suitable to include in the Skulebook. One of the more appropriate things I did learn was what happens when a group of sleep-deprived people are in EngCom for twelve hours straight whilst putting together the paper. That one was a doozy, and something I shall not soon forget (impromptu group Karaoke and latenight lessons in debauchery; who could resist?). I will also never forget the superbly awesome staff I had (and yes, awesome is the best word to describe them!). Whether it was the seasoned old-timers who had seen it all, or freshfaced F!rosh who were eager for experience, I really cannot sing the praises of my staff enough. Had I been left to my own devices, the paper would have been reduced to a single page of bad knock-knock jokes. Luckily, there was a crack team of individuals ready to snap me back to reality if I dared dream of putting in a knock-knock joke. I'd like to thank them all, and I hope to work with them all again, except of course, under someone else's editor-ship. It's your problem now, sucker! No, really, it was some of the best times I've ever had or ever will have.

To bastardize Martin Van Buren:

the two happiest days of my life were those of my entrance upon the office and..."
my surrender of it."

I'm outta here. "

### Staff:

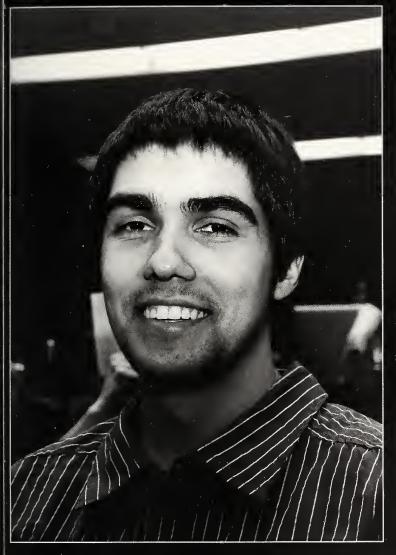
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### THE CANNON







Publication Archive Item No. 0708-TC

Title: The Cannon Newspaper

Author: Zubovskiy, Kirill INDY 0T9 (pictured left)

### Inscription:

The Cannon, the official Engineering Society newspaper, was created to deliver engineering news to the rest of campus. However, it is not merely a newsletter. Not only does The Cannon serve to inform of past and present events, but also to inspire its readers to participate in and speak about the future ones. It is a strong voice that shares the ideas and sentiments of the engineering community with our fellow students and staff – both within and outside of the faculty.

This year, we were fortunate to have a number of passionate and enthusiastic contributors. These individuals communicated the goings-on both on and off campus, clubs kept the student body up to date on their significant events and achievements, while frequent excerpts from the SkuleTM archives fueled our spirits. And of course, opinions provided food for thought. Contrary to past years' criticism, we did so much more than just fill up space.

As the past year comes to an end and with a new one on the horizon, I now truly understand the honour it was to have led The Cannon – to have offered you the opportunity to convey your views to the entirety of the U of T engineering community. It does not matter whether you have written before or not, as long as you have something to say, The Cannon will help you deliver. Life is short, so make the most of it.

### Staff:

Emperor-in-Chief: Kirill Zubovsky Production Aficionado: Tony Chen

Restless Contributors\*: Onur Aydin, Najwa Azer, Ryan Campbell, Kiki Cheung, Jose Estrada, Geoff Frost, Alexandra Heeney, Evan Jones, Álaina Lagrou, Eamon McDermout, Velibor Misic, Edward On, Chirag Ravishankar, Geoffrey Sui, Lee Tatnow, Alanna Yontef

Webmaster: Bijan Vaez

\*for a complete list of the contributors, please visit http://cannon.skule.ca

ENBINEELING TORONTO

# ENGINEERING DISCIPLINES

**Disciplines**: The Faculty of Applied Science and Engineering at the University of Toronto is arguably one of the largest in North America. In the pages to follow are the profiles of the people who academically and socially make it so:





Professor Douglas W. Reeve

ongratulations to all members of the graduating class of Chem OT8! We are very proud of your hard work and determination. As you step out and begin the next stage in your life, I am confident that your education at the University of Toronto will stand you in good stead and that you are well prepared for the challenges before you.

I am delighted to have come to know some of you well over the past few years, I have been delighted that in addition to your demanding academic schedule, many of you have been actively involved in extracurricular activities. You have proven your dedication, motivation and leadership through your participation in sports, clubs and organizations both locally and internationally. I would like to extend a special thanks to Chem Club and in particular to the CSChE committee in organizing the student portion of the CSChE Conference this past year. Your groups' hard work contributes so much to the quality of life of students in our Department.

You are now alumni/ae of the Department of Chemical Engineering and Applied Chemistry. Our Department is both rich in history and full of promise for the future. I encourage you to stay connected to your classmates and home Department. Send us announcements for INTERFACES magazine; get your classmates and colleagues out to the Annual Chem Dinner in March and get involved with our undergraduate students through the



Leaders of Tomorrow program. I hope that you will join us in our drive to achieve our vision: "We will be among the premier, publicly funded departments of chemical engineering in the world, educating leaders of tomorrow."

On behalf of the faculty and staff of the Department I wish you success, health and the joy of a well-rounded life with friends, family and your community.



# Arindam Mukherjee, Club Chair

The Undergraduate Chemical Engineering Council also known as the Chem Club is operated by the students of Chemical Engineering and only for the students in Chemical Engineering.

While Chemical Engineering students are wilting after the 30 hours of classes per week or Plant Design, Chem Club offers them solace in the form of various events organized for the students. The year starts of with 2 BBQ's in front of Sanford Fleming. Even though it's mainly for CHEM's but CHEM CLUB loves it when others come in and praise our tasty burgers.

This is followed by the CHEM Dinner Dance which takes place as soon as the midterm season gets over. Hosted in a posh hotel, the Dinner Dance is seen as a welcome respite for the students from their daily assignments and tests. In winter the CHEM CLUB hosts a Talent show, where students from the Department show off their talent and the proceeds of the show

are donated to UNICEF. Small time movie nights and soccer/basketball leagues take place through out the year.

Finally the year is rounded off with the Iron Ring Party held for the 4th year students and that includes a free bar!!! Isn't free bar the best way to end the year!?



Chair: Arindam Mukherjee
Vice Chair: Mandana Fazl
Secretary: Justina Aulakh
Treasurer: Bahar Moghaddam
Social Director: Mason Lau
Fundraising Director: Mohan Pandit
Sports Director: Hasan Alkabeer
Advertising Director: Lu Zheng
Common Room Manager: Anirudha Dani
Webmaster: Ray Du







# CIV DEPT CHAIR

Professor R. Paul Young



n 2004 the Department undertook a strategic planning process; in 2005 we began the implementation of many key initiatives that we envision will make our Department one of the best in the world by 2010. Our theme of innovation and leadership in urban engineering solutions and engineering geoscience has indeed resonated with many students who are looking for an exciting , and innovative engineering program to study. Our goal is to educate young men and women who will walk away with a better appreciation of a profession that is concerned with virtually all aspects of the urban environment and the interactions and impact between the built, natural and human environments; a profession that will help make the world a better place.

This year we focused on creating and achieving greater recognition of the outstanding faculty, students and staff in the Department. We have an awards

committee that was charged with ensuring that members of this fine Department were nominated and recognized for their exceptional work, study and achievement that is conducted daily. The Executive Committee – which essentially is the Department's leadership committee – has worked towards excellence in the service provided to undergraduate students, graduate students, industry partners and the broader community by spearheading various initiatives that improve the experiences and interactions with these stakeholders.

We have developed a leadership development series for students that focus on enhancing skills and experience in three key areas: entrepreneurship, leadership and innovation. Our wish is to provide our students with an exceptional education and enhanced skills that will undoubtedly make them principal players in society.

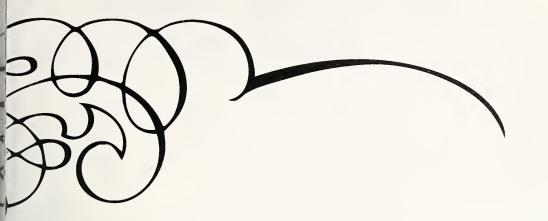
We are so proud of the terrific students in this Department – they truly exemplify great Skule Spirit through their participation in various activities like the Concrete Canoe, the Toboggan, and Engineers without Borders to name but a select few examples.

Three years into my term as Chair, I am absolutely delighted and proud of the achievement and progress we have made together so far. We have made great strides in our goals and objectives. I am confident that with the help of our alumni, friends and partners we will achieve many of our aspirations.

Congratulations to the class of 0T8 – this is just one milestone in your life. As you move on in your career I ask you to value your education, the great friends you have made in the Department and the unique experience of Survey Camp.

Finally, I want to wish you great success and encourage you to make your impact on the world - imagine tomorrow today.





# CIV CLUB

Katelyn Margerm, Club Chair

THello All,

Firstly, Civ Club would like to thank Eng Soc, engineering staff and faculty, supporting clubs, and the student body for their hard work in supporting Civil students academically, socially, emotionally and often alcoholically these past years. The hard work of these organizers has helped make Skule a place where friendships bloom, problem sets are completed and War Craft jokes are made without fear of ostracism. While Civs, like the brother that was born a few years later than the rest of the kids and was probably an accident, receive the majority of the mockery at Skule they also feel a strong sense of love and place in the engineering family.

Civ Club has made a concerted effort this year to expand its scope and function. We have planned and executed numerous smokers, a trip to Boston, a conference on Interdisciplinary Sustainability and produced the 'greatest improvement' among Canadian concrete toboggan racers. We hope the years below us will continue

with these events and the students who have contributed their time and skills this year will take the experiences they have gained with them into the working world.

I'd like to quote one of our great 4th year minds in his speech to professor Grabinsky on our exiting days of survey camp and say that we may have come into the Engineering Faculty feeling 'socially awkward' but thanks to our four (plus) years here, we are leaving 'awkwardly social'. Good luck in life from the Civil Engineers and please try not to crush too many people when you are all out ruling the world.

### Executives

Executive-Chair: Katelyn Margerm Vice Chair: Jon Montonaro Social Rep: Martina Betkova Treasurer: Kathryn Grond Business Rep: Ragu Kanagalingam Secretary: Amelie Lesser





Professor Jonathan Rose



hen you look back at the time of your life that this book describes I think that you will realize these four things:

- That you were learning the basics and the applications of what historians will call the most important technologies of the 21st Century - microelectronics, energy creation and distribution, computer hardware and software, electromagnetics and photonics.
- 2. That you met many people who became your life-long friends and colleagues.
- That you were challenged more than you ever had been before, (and possibly were since) but somehow managed to make it all work out.
- You thought you were busy trying to get somewhere, on this journey through University, and the subsequent journeys. It turned out that those journeys were life itself.

I'm certain what you learned here doesn't all yet make sense. Over time you will find that various aspects of the learning, wisdom and experience you've acquired will be reflected and useful in many of the experiences of your life. Most important of all, you have learned \*how\* to learn at this higher level, and that will carry you forward on the exciting journey of life in a newly technological world. On that journey, your classmates will likely play a big part. Your spirit, emboldened by the challenges you have conquered, will carry you through the even greater challenges to come. Good luck!



Comp Chair: Ian Swartz

ome one come all, to the amazing discipline that is ECE.

This year, the ECE Club was busy working for you, the students of whom we represent. We had Daniel Altin and Ian Swartz as the Electrical and Computer Club Chairs respectively; followed by Andrew Rosslet and Alvin Ho as the Vice-Chairs; supported by William Song and Andrew Shorten as the Finance Directors; with Kelvin Yu and Leslie Leung as the club's Social Directors. Additionally, Supakorn Komthong and Sean Lamers were the Facilities Directors, and John Matienzo as the Sports Director. Finally, our Communications Director was Sam Vafaee.

This year was a great year, with growth and progress for everyone. We had an amazing dinner dance, a very successful smoker, and to cap that all off, we managed to secure a much better common room than the one previously held. We had tons of fun at the chariot race, and were the only ones to step up to the Chili Cook-off.

We would like to offer a heartfelt thanks to the department for their help and assistance throughout the year. Special thanks to Professor Rose and Ng for the support and guidance. We also want to congratulate Ella Lund-Thomsen on her retirement from the Undergraduate Office this year. She was a huge source of information and

support for so many students throughout the department, and she will be immensely missed by all.

As for the two common rooms, we hope that you can spend some time relaxing in the rooms, whether it be watching a movie, or playing foosball or the brand new arcade machine. We are here to provide an outlet for you when you have to take a break from studying, so hopefully we have helped in that regard.

We hope to see everyone participate as much as possible in ECE club, and will look to the younger generation to help the ECE Club grow beyond expectations. Further, our one piece of advice is that, above all, you should enjoy your time here, and should know that we are all in this together.

Thanks for such a wonderful year.

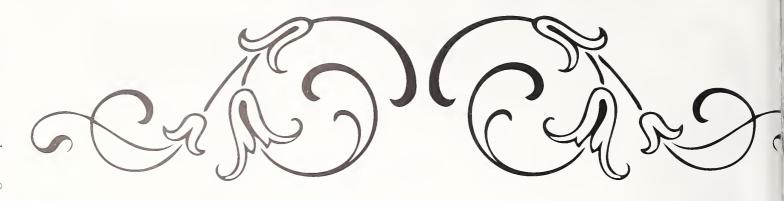
### Executives

Comp Chair: Ian Swartz Comp Vice Chair: Andrew Rosselet Comp Finance Director: Andrew Shorten

Elec Chair: Dan Altin Elec Vice Chair: Alvin Ho Elec Finance Director: William Song

General Communications Director: Sam Vafaee
Operations Director: Lee Tarnow
Social Director: Kelvin Yu
Social Director: Leslie Leung
Academic Facilities Director: Supakorn Komthong
Common Facilities Director: Sean Lamers
Sports Director: John Matienzo





# ENGSCI DEPT CHAIR

Professor Will Cluett



ear EngSci Grads:

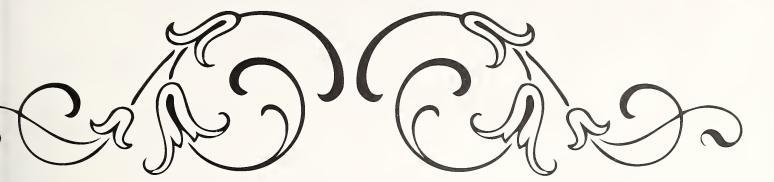
It has been an honour to serve you and your class of 0T8 and 0T7+PEY as Chair of the Division of Engineering Science this past year.

As Engineering Science students, you have been immersed in a world of intellectual challenge and mutual encouragement since you arrived at Skule<sup>TM</sup>. Each of

you has helped create and foster the incredible community that we call EngSci. You continually impress all of us at the University with your pursuit of excellence – both in your academic studies as well as in the arts, sports, outreach into the community, and other leadership activities. It is this energy and drive that is truly the Spirit of EngSci.

As you prepare to leave EngSci and move on into the next phase of your life and career, I hope the Spirit of EngSci will remain with you and help in some way to enrich the rest of your journey through life and the lives of those around you.





# ENGSCI CLUB

Christian Maxwell, Club Chair

The Engineering Science Club is a student organization driven by your fellow classmates.

Getting involved with the Club is easy and it?s a lot of fun. We organize all sorts of fun events and initiatives throughout the year from movie nights to club/pub nights to Dinner Dance to Nocturne (an annual student acoustic music show held at Hart House) and even an annual ski trip.

The Club also helps raise student issues and voice concerns to the Division. We also put together fun events like monthly dodge ball tournaments and barbecues. On the academic side, the Club provides tutors for all of the 1st year and certain 2nd year courses for all the students to attend.

Every EngSci student is a member of the EngSci Club! There are two class representatives from each foundation year. That is, years 1 and 2. The club also has representatives from each year?s option: Aero, Biomed, Comp, Elec, Infra, Manu, Nano, and Phys. On top of that, there is an executive committee and several event coordinators. All the club positions are elected by the students.

If you want to get involved with the club or have any questions, just email us at engclub@ecf.utoronto.ca or visit our web page at engsci.skule.ca.



### Executives

Chair: Christian Maxwell – 0T8 EngSci Aero
Vice Chair: Yuri Sagalov – 0T8+PEY EngSci Comp
Finance Director: Emma Brisson – 0T7 EngSci Nano
Communications Director: Jonathan Asmis – 0T8+PEY EngSci Biomed
Athletics Coordinator: Arun Kochar – 0T9 Biomed



# MIE DEPT CHAIR

Professor A. N. Sinclair

ongratulations to the MIE Class of 0T8 (and 0T7 + PEY) for completing a challenging engineering education at one of the top universities in Canada.

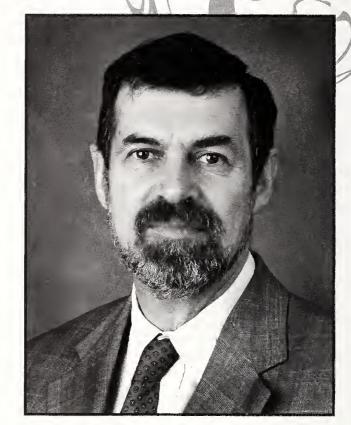
Our mechanical and industrial programs are two of the top programs for academic performance in the Faculty (despite the distraction of Facebook), but our students obviously know how to work hard and play harder.

The Formula SAE Team has had another great year with a 5th place finish at both the MichiganandUKcompetitions as well as an overall best team finish. Our indy's showed other IE students from across Canada how awesome the city of Toronto is at the 2008 IIE conference which was hosted by Ryerson. The Mech and Indy Clubs have done a wonderful job in organizing student events for this year including the ever-popular Dinner Dance. And ASME continues to provide a strong link for students and industry with great professional development programs and conferences.

This past year our Department hosted a number of Leaders

of Tomorrow initiatives which helped students develop their leadership skills. Whether it was mingling with our alumni at a Networking breakfast, or learning fine dining skills at the etiquette dinner we were proud to see MIE students take on the challenge of becoming better leaders.

To Students returning next year – keep up the good work! And to those graduating – good luck in the future.





# INDY CLUB

Diana Rzezniczek, Club Chair



i Skulemates! As your chair of Indy Club 07/08 I would like to encourage all MIE students to come out and support as many of the events and activities as they can. This year we have a lot to look forward to such as the MIE Dinner Dance, Sports Nites, Skating at the Harborfront, the annual PEY mixer and of course Iron Ring Celebrations!

On behlaf of the entire Indy Club, I wish everyone a fun and successful year!

### Indy Club Executives

Chair: Diana Rzezniczek
Vice Chair: Liuba Mamonova
Treasurer: Justin Leung
Secretary: Rommel Corral
Social Director: Stephanie Anam
1st Year Rep: Andrea Jovanovic
2nd Year Rep: Val Neiman
3rd Year Rep: Jon Houle
PEY Rep: Cora Silveira
4th Year Rep: Hooman Mehranvar



Ali Istchenko, Club Chair

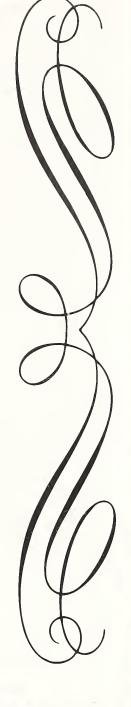


he Mech Club has had yet another fantastic year - full of fundraising, free food, Faculty meetings and folly. The Executive worked hard to pull off book swaps, locker sales, BBQs, regular web site updates and best of all the MIE Dinner Dance. The Dinner Dance would not have been possible with out the help from the entire Mech Executive, collaboration with Indy Club and the continued support of the Department. Thanks to everyone who made MIE Dinner Dance the classiest and most talked about event yet! A big thanks to the entire Executive for working so hard and for being so patient all year! To the fourth years - congratulations and good luck in the real world! And to everyone else - it'll be over before you know it, so take a minute to enjoy your time in engineering.

That's what Mech Club is here for.

### Mech Club Executives

Chair: Ali Istchenko
Vice-Chair: Alexander Hadjis
Treasurer: Brandon McLean
4th Year Rep: Mark Roxas
3rd Year Rep: Alanna Yontef
2nd Year Rep: Nick Tenev
1st Year Rep: Alexander Pazionis
4th Year Faculty Rep: Bernard Wong
3rd Year Faculty Rep: Mina Shahid
2nd Year Faculty Rep: Julie Hommik



Mech Cluby 47 - SB078



# MIN DEPT CHAIR

Professor Will Bawden



ongratulations to you, the graduating class of 0T8, on the completion of this stage of your academic journey.

You are part of a unique program of study, a program with access to the best minds in academia and industry today.

Your own journey has only just begun. While it may seem that you have already traveled far in your lives (and you have!), there are many miles to go and directions to choose. With a Mineral Engineering degree, the paths available to you are many. Some of you will choose traditional careers with Canada's [Global] booming resources industry; others will choose finance, consulting, business, or research. Others are going on to graduate school. These paths will lead you in exciting directions, but I hope that you will always remember your time with us fondly.

We hope that you will keep in touch with us throughout your career as so many of your colleagues do. We would love to have the opportunity to celebrate your successes and share this with upcoming classes. If spirit is a theme, then the spirit of the class of 0T8 has been instrumental in shaping this great programme.

To our Lassonde Scholars, a special congratulations to you, as your achievement goes beyond high academic standing The Lassonde awards reflect commitment to the mineral industry, leadership and the spirit of collaboration that is exemplified in our patron, Pierre Lassonde.

Finally, on behalf of myself, the Associate Chair Prof. John Curran, and Chief Administrative Officer Ms. Nelly Pietropaolo, WELL DONE!





# MSE DEPT CHAIR

Professor Doug Perovic



The Faculty and Staff of the Department of Materials Science and Engineering congratulate our class of 0T8.

The knowledge and skills that you have learned as an undergraduate student in this Department will serve you well in the future, whatever career path you choose. You are graduating from one of the largest and most diverse materials engineering programs in North America. You have completed a very demanding course of study combining lectures, laboratories, industrial research projects, plant visits and independent research. Rest assured that you are well prepared for an exciting career in industry, or to continue your studies at the graduate level.

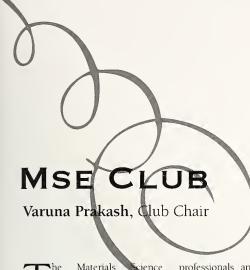
Materials engineering at U of T is a special community of dedicated academic, administrative and technical staff that provide a challenging, instructive and encouraging environment. Wherever your post graduate careers take you, please keep in contact with our office to let us know how you are doing and to share with us your successes. The contacts and friendships that you made during your undergraduate years will remain with you throughout your life. Make sure that the skills and knowledge gained here also remain with you as you continue to develop new thoughts and ideas.

Throughout your years as an undergraduate student here, you would have noticed that our program has been steadily growing with larger numbers

of students and new faculty members joining our department. This is a very exciting time in our Department as we continue to grow and expand our programs and we look to you, the 0T8 graduating class, to serve as ambassadors for this Department and the University.

Class of 0T8, we salute you and wish you every success in your new careers. And always remember......materials matter!





Materials Science Engineering and Undergraduate Discipline Club has had a busy, exciting, and successful year! We kicked off 0T7-0T8 with a BBQ/bookexchange mixer that saw a huge turnout from students, faculty, and department staff - we've never seen burgers disappear so fast!

The first-ever MSE Games Night was also a huge success, complete with a LAN party, board games, Wii tournaments, the classic Torstein A. Utigard Ping Pong tournament, and samosas that sold like hot cakes. The best social event of the year, however, had to be El Dinner Dance - no one does a Mexican-themed party with sombreros, a mariachi band, piñatas, a professor danceathon, AND an open bar quite like us. We're not all play and no work, though - we also helped plan the MSE Industry Day, which connected industry

professionals and alumni with current students.

In addition, we laid down plans for a major renovation of our common room - if all goes well this summer, next year's frosh will be treated to a brand new space, although they will sadly never know dur 40-year old coin-eating vending machine.

The year ends with our Iron Ring celebrations, elections for next year's exec, and a well-deserved end-of-term party. Claps all around for our hardworking council and class reps - it has been a great year!



Mse Chub - 51

Vice-President: Karl Visnovec Secretary: Jean Phillipe Moya Treasurer: Andre James Festivities Directors: Tomas Ronis & Priyanka Prasad Industrial Liaison: Trisha Roy Sports Director: James Sawyer



# CLASS REPS University of Toronto - Engineering Society, 2007–2008

'Mechs: the mighty

engines of innova-

1T1

**1 TO** 

OT9

**0T8** 

## Mechanical Engineering



Be cule. Stay in Skule."



Nick

Tenev

tion."



Alanna

Yontef



Mark

Roxas

"Thanks for the good times!"

Alexander Pazionis

## Industrial Engineering



"Indy1T1 is gonna rock you."



No submission.



"PEY, Jobs, 4th Year, Thesis, decisions..."

"Little seriously

grinds our gears."



"We put the cool in SKULE"

Andrea Jovanovic

Neiman

Ionathan Houle

Hooman Mehranvar

## Mineral Engineering



Mineral engineers, we backfill."



Cameron

Andrews

Bedrock."

We Make The



Andrew

Kearns

"Strip mining prevents forest fires."



Mark

Raguz

"Ever had sex with a miner?"

Warren

# Taylor

# Chemical Engineering



"Eat beavers and save trees."



No Submission



"Teamwork catalyses your success rate."



"Beauty sleep after plant design."

Sami Rasheed Khan

N/A

Rhiad Gajraj

Louise Bai

# Material Science Engineering



"Money. Sex. Engineering. 1T1. Mine."

"NSci: slowly crushing my soul."



again."

Never doing this

"One crazy adven-

ture..."



"Ni cF4 Fm3m Erb Rocks."



Beck

Sykes

"MSE FCC BCC HCP, awesome."

Victorino

# Engineering Science



Henry Shi



Charley Wang

Diana

Mollicone



Kristen ·Facciol

Ryan

Singh



"Envy is ignorance; imitation - suicide"



Matthew Karabela

Paul

Pellegrini



Raphael Sammutv



Ben Tsai

"Year of the guinea pig."



Geoffrey Siu



Vicki · Komisar

Editor's Note: Other disciplines failed to provide content and are not

# DINNER DANCES

**Dinner Dances**: Throughout the academic year Engineers both work hard and... you guessed it, party hard. Following is an excerpt of a couple of the dinner dances held during the 0T7–0T8 academic year:

# CHEM DINNER DANCE

89 Chestnut, 27th Floor Ballroom – November 3rd, 2007













# ECE DINNER DANCE

University of Toronto Faculty Club – November 9th, 2007



















# MIE DINNER DANCE

La Contessa Banquet Hall – November 23<sup>rd</sup>, 2007













# MSE DINNER DANCE

Meron Banquets – January 19th, 2008

# ENGSCI DINNER DANCE

Eglinton Grand – November 16th, 2007







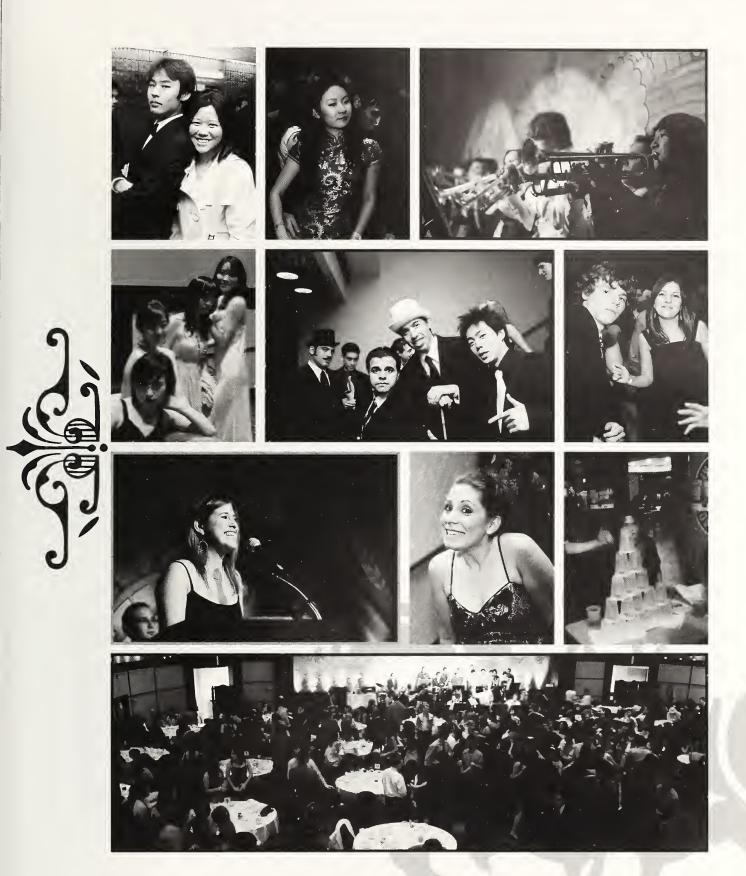




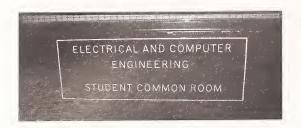








# ECE SMOKER ECE Student Common Room – January 29th, 2008



uring the year, the ECE club has fun activities to counteract even the most severe cases of study sickness. We hold Smokers and Movie Nights throughout the year and we present to you the ECE Common Rooms where you can come anytime to relax, watch TV, play fooze ball, or Xbox games. This year's smoker was on January 29th, 2008.





















Above: An excerpt of the Skule Orchestra, a congegration of musically talented engineers, in this case, the violonists.

# SKULE MUSIC

**Skule Music**: Skule Engineers can not only think in 3+ dimensions, enter 4 finals in 3 days, and come out smiling... but they can also play music. Following is a muted experience of the magical worlds our musically talented engineers take their fellow skulemates:



Above: Igor Krivoshlykov and John Hwang on clarinets.



Above: Alex Ho on the oboe.

ounded in 2006, Skule Orchestra is the only full engineering orchestra in Canada and the largest music ensemble in the faculty, and allows students who played an instrument in high school to continue their musical

This year, the orchestra expanded beyond the scope of a typical performing ensemble. We organized and hosted Moment, the Valentine's Ball, which in its first year was a resounding success. On February 15 in the elegant Hart House Great Hall, students learned to waltz with a lesson from a professional dance instructor, enjoyed sumptuous hors d'oeuvres, and danced the night away to live music. The orchestra performed favourite pieces including the Blue Danube Waltz, Moon River, and Edelweiss.

We enjoyed trips to see The Marriage of Figaro, Berlioz' Symphonie Fantastique, and Mozart's Haffner Symphony. We were also honoured to have conductors David Zaser and Louie Calleja run clinics, which helped members learn to listen to each other and perform as an ensemble.

The orchestra's concerts were occasions not to be missed. The second annual Skule Music Concert was a two-hour long event that showcased six major Skule Music ensemblés. Hundreds of students and faculty witnessed the concert and were amazed by how far the orchestra had come in its second year, with pieces such as Appalachian Spring and Waltz of the Flowers. The year culminated in the orchestra's showcase event, Symphonic Boom, where the orchestra performed their finest music of the spring term including Sarasate's Carmen Fantasy with Alex Ariza as the virtuoso soloist.







Above: Walter Chan conducts the orchestra at Hart House.

Below: Ben Hare on the trombone.













# Skule Orchestra Executives

Manager: Geoffrey Siu Conductor: Walter Chan Executive Advisor: David Lee

Promotions Director

& Acting Concertmaster: Alex Ariza;
Social Director: Shilpa Bommaganti
Treasurer: Igor Krivoshlykov
Librarian: Jonathan Wang
Concertmaster: Ekaterina Tzekova

e Stage Band had incredibly successful year in 017-018 The group of the perform at a very high annual events, including skale Music Concert, the Engal Dinner Dance, Cannonball and Gradball, and each time garnered much praise from fellow students and other attendees. In early March, the group collaborated with the University of Waterloo in creating the first ever Engineering Music Exchange, which included a performance at Waterloo for both Skule Stage Bands, followed by a visit from Waterloo the next week to play at Suds. The event was a resounding success and I hope that future iterations of the Stage Band continue and expand the tradition.

The band ended the year with a very special event – the Skule Stage Band 25th Reunion. Many former members of the group, including some from

the inaugural 83-84 band, were on hand for SSB's annual end of the year concert at the Arbor Room. The reunion continued the following day with an open rehearsal/jam session for alumni, and finished with a pub social, accompanied by live jazz from the Skule Jazz Combo. It was a wonderful experience to meet so many former members of the group and exchange fond memories.

For all of its contributions to Skule life, the band was awarded Skule Affiliated Club of the Year for the second straight year. I would like to personally thank every member of the group, whose dedication and musicianship have made this a group I will remember for the rest of my life.

Dave Rutt
Skule Stage Band Director, 0T7-0T8



Above: Dave on the Trombone.









# STAGE BAND Blue

Lage Band Blue is Skule's brand new 2<sup>nd</sup> big-band jazz ensemble to accomodate the ever increasing interest in Skule Jazz. We started with a mere 3 planned shows for the year, but were invited to perform more and more! The band had a blast performing for Skule at Hallowe'en Suds, the Skule Music Concert, and the Jazz Exchange Suds. We had a rowdy crowd of Iron Ring contenders at the 100 + 365n FeO party at O'Grady's in November, and finished the year with Skule Stage Band at Jazz@ Oscar's.

Taking part in the first ever Engineering Music Exchange, both Skule Stage Bands went on a road trip in February to perform in Waterloo with the UW eng jazz band. For members, the group has been an excellent way to hone their jazz skills, develop improv, and most importantly to keep playing.

Mark Jeffrey
Skule Stage Band Blue Director,
0T7-0T8





Above: Mark at the Hallowe'en Suds playoff.











# AFFILIATED CLUBS

**Affiliated Clubs**: From cultural gatherings to robotic creations, Skule™ provides fellow engineers with a plethora of services and activities. Following is only a selection of a couple of affiliated groups and their activities:



The University of Toronto Chinese Engineering Students' Association (CESA) is dedicated to providing a casual environment for students to bond and learn more about the Chinese culture. CESA is managed by 28 executive members and is proud to encompass over 350 members of the University of Toronto student body from a variety of disciplines and ethnic backgrounds. Accompanying the reputation as one of the largest engineering student associations on campus, CESA is also recognized by the GTA community with sponsorships and external events that get the community involved.

Founded in 1975, CESA celebrates its 33<sup>rd</sup> anniversary this year with new and exciting events. Throughout the academic school year, CESA hosts at least one event per month for members to attend and enjoy during their university

experience. Such events include the well-acknowledged orientation dinner occurring right after F!rosh Week during which members new and old can come out and enjoy a free dinner where all can meet the executive team and other members. Other events include the semiformal banquet, basketball tournaments, soccer games, Chinese New Year celebrations, movie nights, game nights, and many more. CESA also provides the very-popular Chinese lunch box service four times a week for members to conveniently enjoy while on campus.

CESA is looking to grow and expand every year. Come out, join CESA or be an active executive member. And be a part of an experience you'll never forget!











# CESA Executives

Agnes Chow: Sports
Simon Guan: Marketing
Leon Kan: Yearbook
George Lau: Technical
Eric Lau: Technical
Calvin Leung: Yearbook
Timothy Luk: Sports
Timothy Pang. Cultural
Tina Sun: Yearbook
Edward Sykes: Social
Tyler Tsang: Social
Xiao Wang: Art
Yang Wang: Times
Elizabeth Wong: Art
David Wu: Times
Darryl Yau: Sports

Bosco Yu: *Cultural* Joey Zeng: *Cultural* Ran Zhang: *Social* 

# CSCHE

# Canadian Society for Chemical Engineering



#### CSChe Executives

Chair: Derek Chan Vice-Chair: Vanessa Bowker Secretary: Osamah Saeed Treasurer: Mamoon Ali Webmaster: Priyanka Gupta Social Director: Najwa Azer

Professional Development Director:

Vik Pandit

Advertising Director: Angelina Tran 4th Year Rep: Daniel Balagot 3rd Year Rep: Timothy Reyes

2<sup>nd</sup> Year Rep: Murray Pinto 1st Year Rep: Katerina Daginis

lot of the skills you develop and decisions you make during your years at Skule will make a big difference in your life after graduation, and the best advice for how to get the most out of your time here comes from both those who were once in your shoes and those whose shoes you hope to fill one day. The U of T chapter of the Canadian Society for Chemical Engineers (CSChE) serves as a means for you to connect with students, professors, alumni and industry insiders in order to obtain the information and opinions you need for your academic and professional development.

CSChE started the year with the national conference in Edmonton, to which we sent almost forty students. They spent five days in October networking with professionals and academics from across Canada, learning about the latest developments in Chemical Engineering, and touring Alberta. After the conference, we've been organizing events to help you connect with people, like our StudentFaculty Mixer, at which you could connect with your professors outside the lecture hall; our PEY Mixer, at which you could connect with upperyears whose internships you were vying for, our Valentine's Day Matchmaker, at which you could connect with the students you're most compatible with; and our Industry Speaker Session, at which you could connect with alumni who may someday be your colleagues.

It's been a good year and we're looking forward to next year. We'll start it off with the international conference in Ottawa and follow that with more opportunities for you to forge meaningful connections. For more information and photos, join our Facebook group or visit our website, csche.skule.ca

### CUBE Club for Undergraduate Biomedical Engineering



#### **CUBE Executives**

President: Bashir Bhana VP Finance: Edward Sykes VP Academic Relations: Elizabeth Han VP Research and Healthcare: Vincent Lau VP Corporate Relations: Ian Pereira VP External: Nimalan Thavandiran VP Technology: Adrian Li VP Publicity: Jacquelene Chu VP Social: Mercedeh Modir Shanechi

he Club for Undergraduate Biomedical Engineering (CUBE) is a student-run club whose mandate is to promote biomedical engineering to undergraduate students. The oldest and largest chapter was founded in 1997 at the University of Toronto. Currently, the Toronto chapter has over 500 members from assorted programs and faculties.

CUBE's purpose is to disseminate knowledge pertaining to the biomedical field as well as to serve as a point of contact between students, academia, and industry. CUBE helps to complement the normal undergraduate curriculum by providing student's the resources and opportunities to explore various areas in bioengineering, biotechnology, and medicine that are of direct interest. This is accomplished by hosting events such as information sessions on the latest cutting-edge research in related the fields; attending international conferences in related areas; networking with industry leaders during held speaker seminars; hosting career seminars to assist students interested in pursuing a career in industry or research; and touring industrial plants, hospitals, and laboratories. CUBE is run entirely by a student executive committee following the dictates of our constitution and is recognized as an official campus group. CUBE is funded by several campus organizations throughout the University of Toronto including the Engineering Society, Student Union, and the Institute of Biomaterials and Biomedical Engineering. CUBE is a unique organization in that it is the only undergraduate student group of its kind. Anyone within the University of Toronto community is invited to join and take part in CUBE events at no cost

# Formula SAE Racing Team

# FORMULA SAE





he University of Toronto Formula SAE Racing Team is continuing its outstanding work for its eleventh year running. Each year, the team is required to produce a completely new formula style race car and as part of a highly involved annual design project, 95% of the components on the car are fully designed, prototyped, tested and manufactured by the students.

This international collegiate design series is organized by the Society of Automotive Engineers with the purpose of exposing engineering students to the processes required to convert their engineering ideas into a set of exciting deliverables. For this year's 07-08 competition season, the team made numerous advancements and innovations in their design that pushed the envelope of new technology and automotive research. Following last year's best 5th place finish at Formula SAE (attended by 140 teams worldwide in Detroit, Michigan) and a matching 5th place in the Formula Student UK competition (held at Silverstone, UK), the

team intends to return to the race track to defend UofT's position as a world leader in engineering design and management.

On the agenda is the May competition Formula SAE, the Formula Student Germany in August, and our very own competition, the UofT Shootout held every September. As always, all UofT students are welcome to join our team year round to contribute and partake in the valuable learning experience, the success and great fun that our dynamic team has to offer www.fsae.utoronto.ca



#### Formula SAE Executives

Front Row (left to right): Nilufar Damji, James Correia, Huang Iu, Saad Khan, Saqib Siddiqi, Leo Simonis, Maggie Lafreniere, Jessica Hoang. Middle Row (left to right): Mark Osmokrovic, Chris Siemieniuch, Daniel Ly, Stephen Perkins, Milos Uskokovic, Chris Wong, Daniel Veneziano, David Boom, Luke Osmokrovic. Back Row (left to right): Vince Libertucci, Ben Cornwell-Mott, Daniel Zanini, Trevor Vaughan, Nick Burgwin, Neal Persaud, Jason Kao, Jen Wong. Car In Front: UT07.

# Institute of Industrial Engineers - University of Toronto Chapter



#### **IIE Executives**

Co-chairs: Vidula Shetye and Alfred Chan Conference Director: Alexey Togunov

Webmaster: Jason Lee

*Professional Events Director*: Pavlo Klunko *Social Events Director*: Natalia Lizon

Social Events Director: Natalia Liz Treasurer: Michele Qu

CAR Director: Azadeh Hatami

Second year Representative: Rommel Corral

First year Representative: Sabrina Tang

IE is the world's largest professional society dedicated solely to the support of the Industrial Engineering profession. Through our events, IIE is committed to promoting our field by organizing events to help students get the most out of their Industrial Engineering experience at university. This year we organized a diverse mix of social events and professional events to help students network and develop professionally.

We kicked of the year with an information event about PEY, geared toward Industrial Engineers. At the event we had students who had just returned from PEY talk about their experience and provided advice to students that were planning to apply. This year's professional events also included a plant tour of Magna, IIE Toronto Annual General Meeting, and a Resume and Cover letter Workshop.

Social events included a Wine and Cheese, Gabby's Pub Night and a Raptors Night; hosted in collaboration with the IIE Toronto Senior Chapter and offered an incredible opportunity to network with industry professionals.

The highlight of the year was the annual IIE student conference. The conference is a one of a kind opportunity for students to network with Industrial Engineering Professionals, meet world-renowned speakers, and get together with IE students from Universities across Canada. The conference is held annually during the second weekend January, and is the only place where you can network, learn, party and get a job all in one place.

Please check our website @ http://www.mie.utoronto.ca/iie or our facebook group for details of upcoming events and join us at our events next year

# NCWE

# National Conference on Women in Engineering





omen from all across Canada gathered at the Queens University campus for the 17th annual National Conference on Women in Engineering.

The two day conference had participants involved in a series of workshops and seminars were speakers focused on showing delegates how to break through the thought that a female engineer can either have a career or a family. The speakers brought years of experience and insightful knowledge and taught the participants that every woman can be a high levelled female engineer.

The delegates also put in practice their networking skills at a dinner where they had a chance to interact with the speakers in a professional manner. The four delegates sent by U of T had a very good time and learnt about being a successful engineer and a leader aside of the commitments that women might have.

# University of Toronto Engineering Kompetition

UTEK

niversity of Toronto Engineering Kompetitions (aka UTEK) is the annual engineering competition hosted by the UofT Engineering Society. There are seven different categories to participate in, covering different aspects of design and communication, all revolving around engineering.

This year's event was held on January 19th, 2008 in the Bahen Centre. With just under 200 people competing, volunteering and judging, this year's UTEK was a great success! Afterall, there were no casualties. We couldn't have done it without the tremendous support from sponsors, judges, the Alumni Office, the Engineering Society, the organizing committee and volunteers – so thank you!



**Above:** People are streaming in for the Parliamentary Debates proportion of the competition.



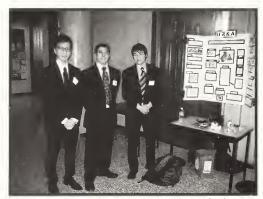
Above: The judges are getting briefed



Above: Students are receiving their debates topics.



Above: The judges are relaxing.



Above: Lawrence Sun, Ray Rabiei, and David Choy are standing next to their Innovative Design display.

# UTEK Executives

Director - Karen On

VP Administration - Patricia Sheridan

VP Competitions - Kunal Jaggi

VP External - Evelyn Shi

VP Finance - Yan Si Loo

VP Promotions - Rommel Corral

VP Sponsorship - Maria Perivolaris

VP Technology - Harsh Nayyar



#### **UTET Executives**

President: Madhavi Mangu VP Education: Paul Mitassov VP Membership: Lena Wang VP Public Relations: Onur Aydin Secretary: Aisha Bukhari Tresurer: Padma Jeyakumar Sergeant at Arms: Saguna Dhamija he University of Toronto Engineering Toastmasters (UTET) is part of the larger nonprofit organization Toastmasters International (TI), which operates 11,000 clubs in 94 countries for the purpose of helping members improve their communication and leadership skills.

Unlike most Toastmasters clubs, UTET caters to the needs of its engineering students. Meetings are conducted by students with a great emphasize on providing a supportive network for its members to grow. For the most part, when we think of engineering, mental images of first year calculus come to mind; however, for students who have gained industry experience will tell you, much of what we do depends on how we communicate our technical skills. As TI President Chris Ford told to a crowd

of engineering students on January 24, 2008 "Engineering is the Easy Part". An engineering degree can only take you so far in life, but it is how you present yourself that will give you the competitive edge.

If you are interested in joining or coming as a guest, please contact us at toastmasters@skule.ca and/or join our Facebook group "UofT Engineering Toastmasters" and found out why so many employers like Microsoft, IBM, Honeywell, Ontario Power Generation, etc., have their own clubs.

# UTRA University of Toronto Robotics Association



he University of Toronto Robotics Association (UTRA) is a meeting place for people who like building and designing robots. We are an undergraduate organization that provides students the resources to develop robots for fun and exciting competitions. The club is composed of U of T alumni, professors and undergraduate students from the Faculties of Applied Science & Engineering and Arts & Science.

The 2007-2008 season was an exciting one for the club. The club travelled to San Francisco, California to compete in the RoboGames Robotics competition with 2 battle-bots (30 & 120 lbs) and 1 fire-fighting robot. The robots fared well, with the battle-bots both losing out in the quarterfinals and the fire-fighting robot finishing in third place. Overall it was a very exciting competition for the club and laid the groundwork for future successes.

This year was also very exciting because the club was able to expand its outreach through the UTFirst Program, a high-school robotics mentorship program which has grown and built awareness of robotics within the community. The club has also started on several new projects such as autonomous soccer robots as well as a new battle-bot and fire-fighting robot which will promise to keep things exciting!

Thanks to all members and sponsors for a great year!

#### UTRA Executives

Team Coordinator: Ramy Ghattas Combat Director: Paul Giampuzzi Fire Fighting Director: Anthony El-behery Soccer Robots Director: Onome Igharoro Chief Financial Officer: Siddartha Krishnan Public Relations &

Sponsorship Director: Karthik Senthilnathan Marketing Director: Yoan Kagoma

First Robotics &

High School Director: Patricia Sheridan

# Korean Engineering Student Association KESA

Korean Engineering Student Association, is a cultural engineering club run by Korean engineering students for past 26 years.

This club governs and organizes various events and services to promote the valuable experiences in university life of engineering students. KESA holds numerous annual events for students, especially for first year students, to help them enjoy their academic and social life at the University of Toronto.

The major events for students are General meetings, Orientation, Hart House Trip, Ski Trip, and Cocktail Party. These events are meant to help making network connections between first and upper year students, supporting students to survive their academic years and having fun at the same time. KESA also runs events for other students such as Math competition for high school students and Reunion for graduate & undergraduate students. KESA is a shelter for Korean Canadian Engineering students full of fun, sharing and supporting.

# American Society of Mechanical Engineers ASME

merican Society of Mechanical Engineers is an international **L**organization of mechanical engineers. Founded in 1880, ASME's primary goal was to develop standards for pressure vessels and boilers.

As time pass, ASME expanded to encompass 125,000 members, holding 30 technical conferences and 200 professional development courses annually. University of Toronto ASME student chapter represents one of the major mechanical student groups

and offers events throughout the year for mechanical engineers and nonmechanical engineers alike.

Events include PEY mixer and Annual Student Night Dinner which have been excellent occasions for career information and networking.

#### ASME Executives

Chair: Ray D'Sa

Vice Chair: Twish Mehta

Faculty Advisor: Prof. Hani Naguib

Treasurer: Bernard Wong Secretary: Thomas Fung

2nd Year Representative: Wilson Ma 3rd Year Representative: Mike Huang 4th Year Representative: Nilendri Fernando

Student Section Competition Rep

(Ingersoll Rand Competition): Jeff Harris Graduate Student Representative: Linus Leung

# CONCRETE CANOE University of Toronto Concrete Canoe Team



CC Executives

Chen Chen: Hull Manager Eva Chou: Assistant Project Manager Lyle Gordon: Technical Project Manager Mike Lacourt: Logistics Project Manager Owen Melville: Mix Manager Riley Monsour: Paddling Manager Lian Ni: Casting Manager Tim van Putten: Construction Manager

he University of Toronto Concrete 'Canoe Team is a multi-disciplined group of students that work together every year to complete the seemingly implausible and perhaps odd task of designing, constructing and racing a canoe made out of concrete.

This year the team's canoe is named 'Bluenose,' weighing approximately 100 pounds at a length of over 20 feet. The team of 24 students will all travel to Dalhousie University in Halifax to compete, after placing 5th out of 11 teams in last year's competition at Queen's.

With an extremely lightweight and strong mix, a hull design chosen from millions of alternatives, and a fantastic finish, the team hopes to do even better this year. Canoe dig it?

**SMTA** Surface Mount Technology Association

# SMTA Executives

President: Zain Aleem Vice President: Jeffrey Yang Social Director: Chirag Variawa Secretary: Nelson To Treasurer: Weijia Zhang

he mission of SMTA Southern Ontario Chapter is to create L learning opportunities for networks of post secondary students to develop professional skills and the knowledge necessary to work in electronic assembly technologies and related business operations. SMTA is a professional organization with chapters located in various parts of the world, and student chapters in most of the leading universities, such as the University of Toronto

Affiliation with the chapter entitles members to experience plant tours (to companies such as Research in Motion, AMD/ATI, IBM, etc), networking events (student/industry mixers), employment job-boards etc. This year, the chapter hosted a plant tour to IBM where students had a chance to witness materials testing on Microsoft® XBOX360® machines under various environmental conditions. Membership remains at a heavily subsidized \$5, and is open to all students in the southern Ontario region. Next year's focus will be on increasing the leadership positions of the chapter by four individuals, who will aid in planning even more interesting events than in the

# SKOLL STUDENTS

**Skoll Students**: After four years of engineering studes, and at lost one year of working experience (PEY), some of us decide to walk the path of business and management. Only the truly motivated engineers are distinguished in the Rotman School of Management as "Skoll Students". Following is a snapshot of a couple of our engineers in the joint B.A.Sc/M.B.A program:

# SKOLL STUDENTS

# The Joint B.A.Sc/M.B.A Program



#### Mark Sam, INDYOT6 + PEY

"The Skoll program has provided me with the perfect opportunity to pursue an MBA education at Canadas premier business school. Having honed my analytical capabilities and systems perspectives through Industrial Engineering (Information option), the experiences at Rotman will further strengthen my business foundations. I completed my PEY at ATI Technologies (currently known as AMD) as a Board Program Manager and more recently in the summer of 2007. I fulfilled the role of a Consultant at the Royal Bank of Canada, where I led a project work-stream within an engage-

ment in Miami, FL. Thus far, the Rotman experience has been great. The professors are brilliant, bright students come from all over the world with broad experiences and the learning environment is world class. The upcoming summer will be spent at Deloitte as a Consultant in the Strategy and Operations practice and in the New Year, I will be on exchange at the National University of Singapore."

# Natasha Lalani, INDY0T6 + PEY

I decided to enroll in the Skoll program I ecause it provided a unique opportunity to combine the analytic skills learned during my engineering undergraduate degree with a diverse set of business skills that are applicable to a wide variety of industries. Specifically my interest if the program began during my PEY placement at AMD, where I worked as a Board Program Manager in the Mobility division. My experience at AMD rovided me with a wealth of skills and also helped me to realize the value in pursuing an MBA along with an undergraduate degree in Industrial Engineer-

ing. After graduating from engineering in 2007, I used the summer to explore my interests in Finance through a summer placement with CIBC. This position further motivated me to pursue Finance as a long term career and this has been my focus so far at Rotman. Overall, I feel my experience at Rotman has been extremely rewarding. Not only have I been able to enhance a number of my skills, but furthermore I have benefited considerably from the diverse and inspiring individuals in my class."



#### Nennifer Aiello, CHEMOTT + Phy

I decided to enroll in the skoil program because it provided a unique opportunity to combine the analytic skills learned during my engineering undergraduate degree with a diverse set of business skills that are applicable to a wide variety of industries Specifically my interest in the program began during my PEY placement at AMD, where I worked as a Board Program Manager in the Mobility division. My experience at AMD provided me with a wealth of skills and also helped me to realize the value in pursuing an MBA along with an undergraduate degree in Industrial Engineer-

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#### Kevin Fleischhaker, CHEMOT4 + PEY

"I decided to enroll in the Skoll program because it provided a unique opportunity to combine the analytic skills learned during my engineering undergraduate degree with a diverse set of business skills that are applicable to a wide variety of industries. Specifically my interest in the program began during my PEY placement at AMD, where I worked as a Board Program Manager in the Mobility division. My experience at AMD provided me with a wealth of skills and also helped me to realize the value in pursuing an MBA along with an under-graduate degree in Industrial Engineering. After graduating from engineeing in 2007, I used the summer to explore my interests in Finance through a summer placement with CIBC. This position further motivated me to pursue Finance as a long term career and this has been my experience at Rotman has been extremely rewarding. Not only have I beet able to enhance a number of my skills, but furthermore I have benefited considerably from the diverse and inspiring







# Richard Wiltshire, EngSciOT5 + PEY

"Key learnings from nearly 7 years at U

- EngSci 1st. 2nd & 3 / Year Like
- an orange tough to peel I ut yum-ny in the inside; PEY in Mississauga It is possible to party more while working tha at school.
- 4th Year Enlightenment should have switched to Indy i
- party and travel more while working than at school;
  Rouman School of Management A suit is almost as fun to wear as a hard hat;
- Exchange in Singapore South Asia is one wild place;
- Full time job Strategy Consulting? Sounds just as vague as Engineering Science so why not?"



# GRADUATES 2008

**Graduates**: After four (or more!) years of war against quizzes, term tests, midterms, projects, thesis, design reports, and finals the 0T7+PEY and 0T8 class have finally earned the right to call themselves engineers and wear their iron rings with pride.

# Chemical Engineering Graduates



Zeeshan *Ahmed* 



Jennifer L Aiello



Syed Mamoon *Ali* 



Danielle Kristine

Amorim



Ankur Anand



Anastasia Stacey *Angelidis* 



Justina • Aulakh



Louise Lu Bai



Daniel **Balagot** 



I have had an absolutely amazing time here at Skule. Special thanks go out to the other Musketeers - couldn't have done it without you

Ana Maria **Banu** 



Saeed **Bapoo** 



Adrew **Barquin** 



Jeffrey Scott Mitra *Barroso* 



Bashir Bhana



Gary Botes



Vanessa Marjorie **Bowker** 



Rachel Castelino



Carissa Cautillo



Cindy Yuen Man *Chan* 



Justin Chee



Wei-Yu Chen



Weyland *Cheng* 



Rex Choi



Antonio **Chong** 



Chris Chu



Jacquelene Phia *Chu* 



Ridhi Kirti **Davada** 



Marina Noelle **Dekanic** 



Ryan

D'Sylva

Thanks to my family & friends who made the past 5 years amazing! Many thanks to Profs Jowlabar & Szabo. Couldn't have done it w/o you! Good luck OT7!



I've had so much fun here.. ESP thx to all my dear friends. Hope everyone have a brilliant future~ I LOVE u ALL!



George



Ghosh



Tania Marie Gomes



Angela Gorman

Colin

Ian



Narmeen Haq

Xiaofei

Fan



Sean Hockin



Yan Hong



Brenda Hum



· Yuen Ting Tina Ιp



My 4 years of Chem Eng. and PEY was great! I like to thank my family, rela-tives, friends & profs. GO WINGS GO, and I'll see you on the other side. :)



Travis Aaron Ianke



Muhammad Saad Khan



Saif Ul Umar Khan



Amreen Khera



Christopher C Lasowy



Joey Shuk Ki Lau



Mason Lau



Walk the line btwn having fun and going to jail. SkuleNite! <3



Jimmy Leung



Skule is a memorable time in life. All the problems, turns and downs are all enjoyable. Because it feels so good when they finally stop for a while.



I'm like a walkin Mythbuster fo y'all asian males out dere. T-program = best rehab ever. Time to rock out with my glocks out. BR-RRRRap!



Finally!!! Finally we're here, with the IRON RING on our fingers! Wish all the ppl I LOVE and ppl who love me all the best! Thx OT8, we r the BEST!

Yun Ce Liang

Daniel Jing Liao

Sining Liu



Dharminie Logarajah



Lutchman



Padmavathy Mahadevan



Katrina Maka



Margaret Matusik



Jarid Emiren Medina



Mauricio Medrano



Ankit Mehta



Mayank Mistry



Bahar Moghaddam



Momena Mughal



Arindam Mukherjee



Ayesha Najib



Mark Ka Hung Ngo



Junta Okutsu



Kristine Pasricha



Life brings memories, smiles and tears. Smiles will fade away, tears will dry up but memories will last forever. Thank you mom, dad, Goban & friends!



Nicolas Miguel Peleato



Suniya Quraishi



Enyonam Sewordor



Waleed Khalid Mahmoud Shah



Üshalini

Pathmasenan

Kerolyn Shairsingh

At the end of the day, no matter what life may throw your way, you still have the choice to be where you are Make sure you are where you want to be

Roshini Shankaran



Gld 2b prt of UofT for 5 yrs w/ PEY! Met amzng frnds that will last a lifetime! Cant blv its coming to an end, will def. miss it as it was a 2nd home.



Mila So



I just want to thank all those people who sup-ported me in every step I took towards being the person I am today! WOW it's good to be out!

Behnoush Sorkhpar



Esen Turkben

Sheena

Weisman



Virgjil Turtulli





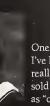
Andrew James White



Genevieve Gil Sovereign



Chloe Todorov

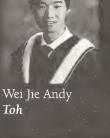


One iron ring later, and I've learned that sleep isn't really all that essential. Its sold in a liquid form known as "coffee".





Yuan-Fei Wang



Sameena Mubashwirin Trina



It's has been a great 4 yrs. Everything we went through together was worth the effort. Big thanks to all my friends for making my time here memorable!



Jessica Della

Virdo

Ralph Lok Shun Wong



Ryan Wong



Claudia Hoi-Ting Wu



Wei Zhang

# Not Pictured

Al-Sabeq, Louie
Alolabi, Hamdi
Bong, Nella Dwi Kurniawati
Bulger, David
Chayez, Paul
Fleischhaker, Kevin David
Gomes, Tania Marie
Harianawala, Taikhoom
Harris, Isaac Spencer
Harris, Joshua Aaron
Huerta, Jose Manuel
Jain, Gaurav
Kapur, Michael
Kaushik, Sherry
Shere, Feraz
Tang, Tai Fung
Trocki, Pawel Kamil
Varghese, Prithwin

# Civil Engineering Graduates



Taha **Ahmed** 



Melissa Anastacio



Matthew *Antonini* 

BUMBACLAAAAAAAT,



Carlos Agustin Baez



Julia Theresa *Barker* 



August Edward Battiston



Raymond Cantwell



mi nuh wan no eng gyal fi jump pon mi buddy...dem MASH UP



Sung-Bong **Cho** 



Carlo

Del Buono



Jordon Robert **Deluce** 



Negar Elhami Khorasani



Jose Estrada

Justin

Chin



Wahed **Fidaali** 



Karen Victoria Ford



Parisa **Heydarioun** 



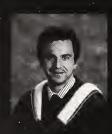
Nusrat **Jehana**ra



Raguwarman Kanagalingam



Zakariya **Khawaja** 



Matthew **Kieffer** 



Ravali **Kosaraj**u



Juan Fidel *Labit* 



Andrew **Lam** 



Alexander **Lee** 



Kar Kim Leung



Domenic M *Manco* 



Valyn **Martinez** 



Helder **Melo** 



Edward *On* 

Skule has given me so many memorable moments--from when I was a F!rosh to when I was an EngSoc Officer. I've finally found my Band of Brothers.



Tameem **Raha**l



Sida **Ren** 



Benjamin Shindman



Adrian *Soo* 



Vashanthan **Vaheeswaran** 



Felipe *Vernaza* 



Madeline **Yan** 

# Not Pictured

Adesegha, Oluwatosin Oluwarotimi Ahmadzai, Abdulahad Aquino, Matthew Bekkers, Justin Betkova, Martina Bodrozic-Selak, Jure Borsellino, Natasha Chan, Hugo Yu-Hin Chen, Cong Davis, Clayton Scott Deo, Mohammed Fang, David Fantozzi, Joseph Grond, Kathryn Hatam, Arash Hosseini, Seyed Hossein Jaworsky, Paul Keri, Alen Kiessner, Monika K Kirsh, Adam Michael Knaggs, Bruce Peter Kwan, David Kwong, Jason Chi Heng Lee, Jennifer Li, Yapeng Margerm, Katelyn Mohammad, Abdul-Rahman Munn, Amelia Naghavi, Nima Pastolero, Ana Katrina Poon, Hoi Fung Alan Redden, Christopher Lawrence Edward Roach, Shawn Saldanha, Christopher Senanayake, Thimila Smith, Kevin Michael Struger-Kalkman, Arih Wong, Erica Yang, Xiao Jun Yogarajah, Nagatheeban

# Computer Engineering Graduates



Arpit Arora



Baker



Lewis Bushie



Peijing Bill Dai



Mark Edward Doyon



Aravinthan Ehamparam



Sean Paul Esson



Fatourechi

rable G.L. to all of u:)



Ziyan Gan



Nima Ghanavatian



Steven Gurfinkel

There are 2 types of paths

in life. The easy ones and

the hard ones. Never regret

the one you choose. www.

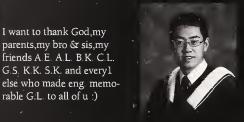
toblender.com



Mazen Haque



Osama Syed Hashimi



Andy Но



Danny Man Sang Hui



Robert Jackiewicz



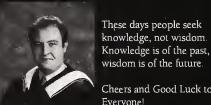
Pouya Jahani



Dan Ning Jiang



Leonid Jovner



Cheers and Good Luck to Everyone!



Elmira Kazemi



Thanks to my parents for pushing me to do my best Shout outs to my friends I r be great times. I have to regrets b/c you learn with each experience.



Pak Lun Perrin Lai



Chandeep Lamba

AsTheySayAllGoodThings-MustCome2AnEnd UOfTH asGivenMeSomeOfTheMost MemorableYrsOfMyLife!IW ant2ThankGodFamily&Frn dz(SBOAK)4AlwaysBeingT here4Me!LoveUAll!:)





I'd like to thank God for getting me through these past five years My Family for all their support.My friends for all their help. It was awesome









Abdul Rashad Fawaas Ziyad Latif

Eric Gene Bon Lau

Joerick Lau

Toby Lau

Charles Sum Yuen Lee



I'd like to thank Mom and Dad for their support. I've

finally we can say goodbye to years of torture and all-nighters for assignments and lab-prep. Congratz & thank you to you all!!!

Geníus is one percent inspiration and ninety-nine percent perspiration.

Christopher

Christopher Chih Peng Li

Steven

I have not failed. I've just found 10000 ways that

Savio Lee

Suník Lee

made it!





King Lun Alan Inyoung Maeng



Godspeed, everyone.

Li



David-Medal

Brian Liang

Ng



Alan Hok Lun



Lan Nguyen

Ma



Nhan Josh Nguyen



Alexander Noble



Brian Paiva



Volodymyr Paprotski



Andrzej

Rajfura

" 'Scuse me while I kiss the

– Jimi Hendrix

Thanks to all who have made this 'trip' a little easier: my Family, my Baby and all my Friends!



Vayka Ramjeesingh



Arjuna Raveendran



Christopher John Riddell



Roy

Ian

Swartz





Antonio Ruberto



Jonathan Scobbie

Thomas



Aly Shamsy



Kim Ping So



Thanks to those that have walked these halls alongside me, I hope you have learned as much from me as I from you. Remember, Nosce Te Ipsum. II.VI.III.



Boon-Hau Teh



Phew.. my engineering experience at Skule has been priceless. My most sincere thanks goes to all those who helped me reach to this point. ECE4LIFE!



Shengda Wang



Brian Watling



Kalon Winnik



Kevin Nicolas Wu Sak Wing



Tewoldemedhin

Sally Yacob

# Not Pictured

Simand, Alexander Baker, Natasha Tam, Wai Lam William Cheung, Jonathan Yang, David Jin, Xiao Yee, Samantha Amber Jung, Wonjun

Sinha, Amit Balasubramaniam, U Nes Surti, Ruhil Brown, Jordan Szuty, Michael John Chan, Bryan Chu Fung Tsang, Patrick Couch, Timothy Vasandani, Nikhil De Souza, Shannon Vasudeva, Prashant Evdassin, Michael Xu, Yang William Ghosh Hajra, Sujoy Yan, Jackie Gupta, Ashish Ziraldo, Andrew Robert Karimov, Tchinguiz Keethadevan, Sutharsan Khan, Monasin Lau, Ka Ming Liang, Xilei Liaw, Catherine Alison Lyn, Martin Mathur, Nitin Micek, Michael Nguyen, Hanh Ofer, Dan Jakob Pagnello, Brock Patel, Raj Premathas, Pratheeban Raithatha, Vishal Ramanathan, Subramanian Ramesh, Suraj Retnaganthan, Karthikeyan Rodionov, Alexandr Alex Sadooghi-Alvandi, Maryam Shah, Amit Shahramian, Shayan Siddique, Gibran Singh, Amith

# Electrical Engineering Graduates



Abou Zeid Nour



Bahar Almasi



Daniel Altin



Kristine Meir Alvaran



John Barboza



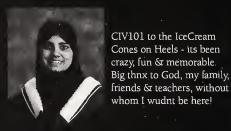
Amin Behdad



Nilesh Bilimoria



Prathit Bugnait



Aisha Bukhari



Victor Camardo



Brian Carew



Anthony Koon Yu Chan



Carl Chan



Ivan Man-Ho Chan

whom I wudnt be here!

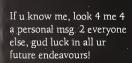
Thank you to my fellow members of Team Ice Cream Cones for being such good friends in every



Kevin Jung Wai Chan



Eric Kinyen Chan Tung



El Chinito Venezolano



Jonathan Warren Chant



Wayne Chau



Dongni Chen

u guys <3

to everyone that I know



George Qiao Chen



Peng Chen



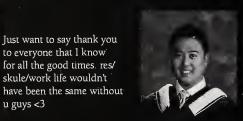
Zheng Chen



Brìan Choi



Agnes Chow



Kevin Chow



David Dias



Christopher **Doan** 

We are no more a part of

this world than it is aware

of us. We laugh because cry is out of character—It's not

a smile, but a rictus of pain.



Jeffrey **Engel** 



Sona **Esmaili** 



Fan *Gao* 



From going purple in F! to

receiving my Fe 0, its truly been a wild ride. In the end

we all get jobs, so make these years count and enjoy

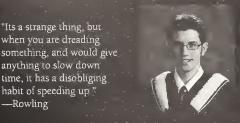
the journey!

Rita **Gao** 



Ashish **Gha**i

"Try not to become a man of success, but rather try to become a man of value." —Albert Einstein



Daniel Goldberg



Ziyang Han



Mark Anthony Hanz



Spondon Hazarika

and support.

I want to give thanks to my Lord and Savior 4 all the blessings thruout the yrs. I also want to thank my family & friends for their love



Hee Jung Jessica Hong



Tracy Chen Xi Huang



S M Asif Iqbal



Hani Ishak



Ricky Wai Yeung

Iu



Young Sun Jeong



Padmasulochana Jeyakumar



Basil Thomas Kanneth



Fouzia *Khan* 



Muhammad Emad **Khan** 



Shruti **Khanna** 

ISurvived!ThanksToMom, Dad,Brother,Huggy,Friend s(Chandeep,Aisha,Samrin, Krishna,Base,Osama,Abdu l)&God! LifeIsAC-AreYouResistiveOr

Reactive UofTROCKS!!!



I want to thank my parents, siblings, family, and friends couldn't have done it without you all I love you loads. Go team Ice-Cream Cones!



Chulhyun Kim



Francis

Kung

Not everything that can be counted counts and not everything that counts can be counted.



Angela Lee



Kin-Sing Lee

Samrin

Kibria



Mun Young Lee



Vicky Yun-Ting Lee



Jeffrey Kai-Kin Leung



Esther Yuen Shan Li



Shuo Li



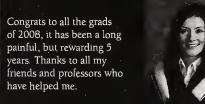
Zhi Li



Liang Tony Liang



Leo Lo



Marinela Lucic



An amazing 5 years! Infinite thanks to my mom, dad, aunt, & my great friends-I'll miss you most of all. To my grandma & grandpa—I love you always.



Jeffrey Ka-Chun Lui



Ka Fai Luk



Yang Ma



Mohammed Merei



Farshid Mirrahimi



Jonathan Montiel



Armia Nazeer



Irwin Saputra Ng



Peter Ka Hang Ng



Yi Nick Ni



Youn-Sung Park



Michael Ritche



Muhammad Wasay Rizwan



Michael Ross



Jagdip Saund



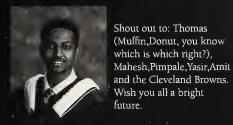
Sida Amy Shen



Tristan Shen

Rishika

Srivastava



Tamir Siam



Alexander Simand



Hui William Song





I will treasure the UofT-Eng. experience and the great friends that made this experience unforgettable. These years have truly been precious!



Khorram Syed



William Tam



Meng Mike Tang



Yu Wang Terry To



Bartlomiej Tomczyk



Gerald Vogt



Da Wang



Hsuan-Chih Shawn Wang



Taige Wang



Wallace Bo-Neng Wee



Ka Ho Thomas Wong



Chelsea Qian Qian Wu



Chao-Jen Nelson Wu



Danny Tsung Heng Wu



Yue Yang



Shao Cheng Danny Yen



Hongwei Wayne



Kelvin Hu-Ken **Yu** 



Christopher Yung

#### Steve Rene Zhang

Finally done! A hell of a time in the past five years! Many thanks to professors, TA's and counsellors who have helped me going through these years.

Siniavine, Maxim Skiba, Michal Sud. Manu Swaminathan, Vasanth Taghvaei, Mohammad Ali Teng, Xiao Venkat, Ram Wang, Boa Sean Wang, Guo Hua Webb, Andrew Graham Wong, Joseph Wong, Lawrence Yao, Yi Youssef, Mark Christian Zeng, Zhi Kun Zereshkian, Arash Zhu, Xun

Abichandani, Avinash Abu Nameh, Mohammad Akar, Capan Ashraf Jahani, Poya Assaturian, Sasoon Botchkarev, Tikhon Chan, Hyman Yat K Changoor, Allan Chen, Xin Roger Chua, Gerald Cioppa, David Dangoy, Alvin Jonathan Dhami, Narinder Elliott, Stephen Benjamin Elshatanoufy, Salma Fung, William Kwong-Yiu Gan, Ziyan Garcia, Mark Louis Guo, Chen Brian Guo, Xuemin Hashimi, Osama Syed He, Shan Ho, Lawrence William Huang, Tian Jain, Puneet Kumar Joushaghani, Amirsiavosh Kang, Hyunkue Lai, Pak Lun Perrin Lau, Jeffrey Lei, Jun Jon Leon, Raymond Chih-Kuang Li, Danny Li, Sidun Liang, Brian Lin, Chao-Yuan Jeff Liu, Li Yang Rita Mandic, Jure Menon, Prashanth Moghaizel, Joe Montano, Michael Andrew Musa, Husne Mohammed-Kaisher Nayak, Neha Kishore Ng, Peter Chi Wing Ng, Ting Fung Nuk, Simon Osadetz, Alan David Ossareh, Hamid-Reza Patel, Nishantkumar Patel, Parimalkumar Paul. Mahesh Pimpale, Ankur Radhakrishnan, Gautham Ropi, Romeo Roy, Rajan Shekarian, Siavash Shoaib, Yasir Simeonov, Gregor

### Industrial Engineering Graduates

What! I will not be making \$100,000 next year! Shouts out to the 0T8s. Special thanks to my family and girl for all the support. Just Hit the Hammer

Let off some steam, Ben-



Ahtisham Ashraf



Balestrieri



Alexandra Anastasia Barrett



Sameer Bhaidani



Mark John Bilic



Bonnie Po Wan Chan



Sin Ming Alfred

Chan

nett.



What can I say about my university life in 150 words? I came to SKULE as a boy and now I leave as



Gillian Melissa

Chin



Eric Chow



Tiffany Chow

Alvin

Chick



Christofis Christofi



Christofer Chu



**Jason Edward** Coke



Yousef Hadjibaba



Stanley

Listen, loyalty is very touching. But it is not

the most important thing in your life right now!

But what IS important, is

gravity!



Hatel Jagjivan



Rakesh Shan Johal



Aren Kazazian



Sunghoon Kim



Anita Wai-Yee Ko



Chung Weng Niki Kwok



Alaina Lagrou



So long, and thanks for all the fish!



Michael Ted-Ho Lau



Wallace Yat Hei Law



we're FREE!



Frankie Le



Matthew Leung



Jill

These guys eat too much red meat!



Ben Yitong Liu



Hooman Mehranvar



Jinesh Mehta



Patrick Mok

I really love listening to your little piss-head soldiers trying to talk tough. They make me laugh. If Matrix was here, he'd laugh



Li Shing Man

Hyojin Jessica Park



Mina Polos

Look ma, no calculator!



Tannaz Rad



Anthony Rauchberger



Stephanie Robinson



amazin 4yrs went 2 fast! won't forget the gr8 ppl,good times,allniters,BAlab& solar car!Scientists dream about doing great things. Engineers do them!



Ajay Shivdasani .



David

Rutt



Diana Rzezniczek



Mohammad Tyeb Sachee

IIE, UTEK and UTCA is what made SKULE memorable. Thanks to all who've been part of, and supported these organizations!

Stay in touch through IIE ...



Michael Tong



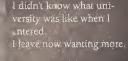
Chun Wai Jeffrey Tso

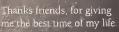


Andrew Taylor



Alexey Togunov









Yang Yang



Hang Franklin **Zhang** 

Figueiredo, Denise Priya Galica, David Gonsalves, Jonathan Jenkins, Mark Edward Khalid, Makeen Li, Weijia Raghuraman, Banurekha Rutherford, Brian Shah, Nimesh Agni Silverio, Gamaliel Singh, Gurjeet Wang, Clifford Wong, Kathryn Kay Yin

## Mechanical Engineering Graduates



Christopher **Anderson** 



Shivinder **Babbar** 



Amandeep **Bharaj** 



Navin **Bindra** 



Nicholas Boragina



Jae Young Choi



Aaron Chong



David *Choy* 



Phillip Chua





Alan Yik Fung **Chuang** 



Sean Ciampaglia



Michael *Conte* 



Raynold *D'sa* 



Nilufar **Damji** 



Steven **Demeter** 



Jacob **Dick** 



Lise Marie Eamer



Eric Sheung-Chi *Fan* 



Nicolas *Farra* 



Nilendri Fernando



David **Findlay** 



Michael **Forcht** 



Brent **Frayne** 



Alexander **Furse** 



Vlad Paul Galantai



Christopher *Galif*i



Asako Hagiwara



Michael Hamilton



Alexander **Hang** 



Mohammed *Hasan* 



Ngo Tung **Ho** 



Alexandra

Istchenko

~ H. Jackson Brown Jr.



Poyan **Jadidian** 



Nikola **Jakic** 



Vajira **Jayasinghe** 



Vedran **Juric** 



Yoan **Kagoma** 



"Happiness is not the absence of problems but the ability to deal with them."

Kevin Key



Gon-Yop **Kim** 



Stefan **Kloppenborg** 



Karen **Kong** 



Siddartha **Krishnan** 



Marko Kundacina



Chi-Hang Kwan



Jason Lai



Christopher Lam



Percy **Lao** 



Simon Lau



Zuozhou Li



Ramanan Lingamoorthy



Leo Linyu Liu



Nicholas *Loberto* 



Brandon **Lue** 



Wai Yan **Ma** 



Cody **MacNeil** 



Arek **Majchrowski** 



Samarjit **Mangat** 

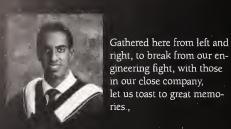
### Mechanical Engineering Graduates



Fayaz **Manj**i



Taylor **Martin** 



Tahir **Merali** 



Michael **Milewski** 



Bhavesh **Mistry** 



Marcus Obal



Ryan *Peruzzo* 



Don **Phan** 

Sindhu

The characters that I was fortunate enough to meet at Skule are my inspiration. I hope that our paths will cross soon & often. Thank you to my loving family - Amma, Appa, &



Jeffrey **Price** 



Rouzbeh Ray Rabiei



Mark Richards



Jerome **Rodriguez** 



Karthik Senthilnathan



Derek Sim



Leonardus Simonis



Jackie Siu



Chien-Lee Sun



Benjamin **Tang** 



Nicholas *Tsolas* 



Ryan *Udugampola* 



Daniel Valenzano



Hubert Wat



Bernard Wong



Alan Wu



Jean-Luc **Wu** 

Eric **Tsoi**"I'm happy to say thank you to my parents, my brother, my close friends (SL,AP,DC,SJ), my peers, and my professors. You're all wonderful people! ERTW!

Abdolahzadeh Nasoody, Hedayat Adiguzel, Azer Aras Agahi, Kamyar Bajwa, Waqas Bernrot, Lindsay Boland, Steven Brar, Harguneet Bromley, Michael Chernyshova, Hanna · Cooper, Thomas Alan Corley, Matthew Daniel Erlendson, John-M Robert Silver Gallagher, David Gao, Zhi Giroux-Cook, Martin Gregory, Jacob Hill, Michael J Hua, Ketty Xiaoyu Ju, Stephen Xin Kadoura, Mahmoud Ke, Ji Jack Khan, Bilal Khawaja, Najmul-Hassan Kulendran, Sam Nesaraj Kuriakose, Paul Libertucci, Vincenzo Lo, Wilson Chi Hang Martinez, Alejandro Obrist, Steve Richard Perez, Alexander Ramotar, Rasheed Roxas, Mark Skeete, Orlando Sukthankar, Harshvardhan Tian, Nan Qiyiana Tse, Gary Kah Yin Tsoi, Eric Weinberg, Steven B Wong, Jen Andrew Yoshida, Takashi

## Materials Science & Engineering Graduates



Sami Abu-Zahra



Zain Aleem



I'm still having trouble thinking fourth dimension-

Joel Beck



Catherine



Chan



Chichi Chen



Tony Deng



There exist natural laws that govern everything; laws that have an uncon-

ceivable purpose, will, and nature; therein which lies

our existence and being.

Matthew Eisner



Lyle Gordon



George Hanna



Sumayya Hussain



Eunji In



Marika Kutnahorsky





Angela



Todd Liang



Denise. Luk



Chantel Lyew



Curtis Moore



Bahareh Najafi-Ashtiani



Vincent Ng



Miguel Paixao



Rajan Pandher



Varuna Prakash



Priyanka Prasad



Trisha Roy



Kavita Sahu



James Sawyer



Emily **Shih** 



Swati **Shrivastava** 



Duwaraga Sivakolunthu



Leona

Smith



Nelson *To* 



Song **Wang** 



Jeffrey Yang



Angela **Yiu** 

Aggarwal, Kanika Chen, David Feng, Qiang Kuo, George Li, Zong Shu Pick, Leon Arieh Ziegler, Erik

### Mineral Engineering Graduates



Lisa Janet Barbosa



Matthew Chong



Philip **Du Toit** 



Masoud *Gorji* 



Jamie Keech



Karsmina Lavakeswaran



Kieran **Prashad** 



Mark Ráguz



Ingrid **Rico** 



.William Smith



Janice Stacey



Meng Wu

Ahmed Safi, Sheikh Redwan
Daykin, Michael
Delloro, Gene
Grujic, Marko
Khan, Abdus Samee
Liu, Luzhuo
Mclean, Kyle Jason
Yue, Beichen

## Engineering Science Graduates



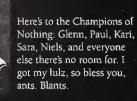
Mark Lee **Aldham** 



Arghavan **Arjmand** 



Scott Edward Armitage





Wain Sy Anthea **Au** 



Michael Bregin



Lucky Bremachandra



Ioan Radu Buzdugan



Bofei Cao



Catherine Kar Fei
Chan



Lesley Chan



Saleem Chattergoon



Xi Chen



Henry Cheung



Jane Wing Chi Cheung



Alexander Choong



Chun Choi Chow



Zane Chu



Robert Cicoria



Sara Elizabeth Clark



Felipe Corredor



Nicolette Marie Di Carlo



Michael Dominski



Xintian Maggie **Dong** 



Ruxandra-Ioana *Dranga* 



Jennifer Elliott



Hoda **Farhatnia** 



Ti Kan Feng



Andrew **Flood** 



Brian Ka-Hing Fung



Geoffrey Fung



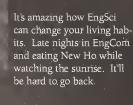
Jianan Gang



Hussam Ghazzi



Goh





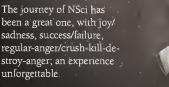
Brent William Hanniman



Megan Hostetter



Xun Huan



Huang Huang



Sriram

Kalyan

The past 5 years @ UofT were the best in my life. I'm going to miss all the friends I made here. Keep in touch & Good luck to you all in the future!



Shuang Vivien Kan

friends.



Karan Khurana



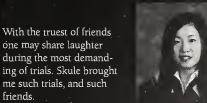
Ho Kwon Kim



Min Soo Kim



Paul Natsuo Kishimoto.



Shuk Fai Ko



Elena Kon



Ali Korabi



is the feeling in your gut when you reach the top of that first roller coaster hill. I'm going to enjoy the ride.

The feeling is familiar; it



Nimeesha Kuntawala



William La



Herman Lam



Sandarsh Kumar

## Engineering Science Graduates



Andrew Lambe



Peter Laratta



Benedict Lau

To the next step in life...

With a clear mind, infinite resolve, and unbridled confidence...



Kwan Vincent Lau



Haeyeon Lee



Ka Ho Dominic Lee



I hope these were not the best days of my life, but a stepping stone to even better days. Ad astra, my friends, and thanks for the

Meji Leê



Benjamin

Leung



Anything is possible



Adrian Li



Kelvin Li



Nestor Li



James Mufei





Sabrina Liao



Alex Yu-Ping



Chao Liu



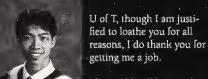
Fangfei Liu



Yang Liu



Henry



The world will lament the loss of the MANU option.



Camila Londono Ferroni



Daniel Ly



Sathya Maharajh



Amir Manbachi



Adam Ernest Mattacchione



Christian Maxwell



Eamon McDermott



Yin Kwan Aaron Ming

Thanks to everyone for

much more productive)

without you!



Kimberley Mullins



Darryl Ngai

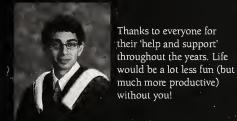
Hristina Popova

Thank you to everyone over the years: friends - for

support and late-night



Chunpo Pan



It's been a fun chunk of my life. Thanks for all the fish!

Ian Pereira

When I see this message

again forty years down-the-road, I hope to recall

guess icu when icu ;)

those four years of mixed blessings. sigh! Dear mates,



Henry Jong-Hin Pong

hope; family - for accepting; profs - for putting up with me.

It's over?!



Victor Ragusila



K.R. Ranjith



Michael Rennick



4 years of Eng Sci and Skule sports that I'll never forget. I'll miss you, U of T. Skule on 3 – 1, 2, 3, SKULE!



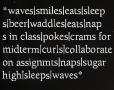
Cameron David Robertson



**Dmitriy** Rudenko



Ada Wing In Shang



REPEAT!



Iliya Sigal



Vishvajit Singh



Kavina Sivarajah



Lin Song



Suthan Srigunapalan



Dmitri Stepanov



Ian Stewart



Nicholas Straatsma



Jackie Suen

# Engineering Science Graduates



Edward Sykes



The lurid of NSCI is over forget Good luck!



Gary Tan



Andrew Tausz



Gregorey Laurier Togtema



Chi Hay Tong



Jacky Yik Him Tong



Chia-Wei Tsâi



Antonas Vanniasinghe



Thomas Veitch



Chunjing Wang



Danyao Wang



Camille Williams



Richard Wiltshire



Herman Man Kai Wong

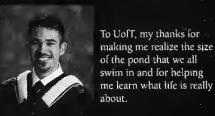


Thx to my friends for keeping me sane, we had a lot of good times, gonna miss you guys. Thx to my family for always being there for me.

David Wu



Wysocki



Zenzo Mikolaj



Yuanyuan Xie



Benjamin Yan



Hemesh Yasotharan



George Jincheng



Tom Jiashuo Yue



Kari Elizabeth Zacharias



David Xiao Zhang



Yın Yu Rachel Zhang



Xiao Zhong

Alidina, Mazahirali Babona-Pilipos, Robart Cai, Allan Chan, Jonathan Chandwani, Vivek Cheng, Tony Chang-Yi Chin, Gwun-Yee Chiu, Bernard Chu, Zane Darbha, Siva Ranjit Dhillon, Anand Donnelly, Ryan Francis Fu, Pei Terence Guo, Wen Wei Kong, Nicholas Koo, Preston Kotecha, Swapnil Krick, William Kuo, Yao Tung David Lang, Patrick Lazongas, Teddy Lochovsky, Conrad McIelwain, Glenn Mills, Evan Misler, Matthew Najafe, Mirvise Odedra, Devangbhai Patel, Ritesh Pimentel, Danny Pimentel, David Popova, Hristina Rodriguez, Fausto Gabriel Roth, Niels Henrik Safavi-Naini, Arghavan Skinner, Brian Wang, Stephen Shih-Hong Yachoua, Rafi Yue, Yian Zhang, Baosen Zhang, He The key to engineering.





